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ENVIRONMENTAL REQUIREMENTS AND POLLUTION TOLERANCE
OF COMMON FRESHWATER CHIRONOMIDAE

by

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FOREWORD

Environmental measurements are required to determine the quality of ambient water, the character of effluents, and the effects of pollutants on aquatic life. The Environmental Monitoring and Support Laboratory-Cincinnati conducts research to develop, evaluate, and promulgate methods to:

- * Measure the presence and concentration of physical, chemical, and radiological pollutants in water, wastewater, bottom sediments, and solid waste.
- * Concentrate, recover, and identify enteric viruses, bacteria, and other microorganisms in water.
- * Measure the effects of pollution on freshwater, estuarine, and marine organisms, including the phytoplankton, zooplankton, periphyton, macrophyton, macroinvertebrates, and fish.
- * Automate the measurement of the physical, chemical, and biological quality of water.
- * Conduct an Agency-wide quality assurance program to assure standardization and quality control of systems for monitoring water and wastewater.

The effectiveness of measures taken to protect the biological integrity of the Nation's surface waters is dependent upon our knowledge of the environmental requirements and pollution tolerance of aquatic organisms and our understanding of the complex relationships that prevail in aquatic ecosystems. This study focuses on one of the most important groups of insects in aquatic ecosystems--the chironomids (commonly called midges or bloodworms). The chironomids are one of the most useful biological indicators of water quality because of the wide range in their environmental requirements and habitat preferences, and their abundance, diversity, cosmopolitan distribution, and distinct morphological differences. Also, they form a significant portion of food for many groups of organisms, especially fish.

This report is the second in a series of reports in preparation on the environmental requirements and pollution tolerance of aquatic organisms. Water quality profiles have been developed to serve as companions to the EPA biological methods manual and identification manuals to assist biologists in interpreting field data collected during studies of the effects of pollutants on indigenous communities of aquatic organisms.

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ABSTRACT

Data on the environmental requirements and pollution tolerance of 230 taxa of freshwater chironomids were compiled from 33 references. This compilation was prepared to assist biologists in evaluating data from macroinvertebrate samples collected for the assessment of water quality. The following parameters were considered: developmental stage, pH, salinity, nutrients, degradable dissolved organics, oxygen, temperature, turbidity, current, general habitat, specific habitat, seasonal distribution.

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SECTION I

RECOMMENDATIONS

This compilation should be used in conjunction with literature for chironomid identification to help assess water quality. As additional information becomes available about a chironomid species, it should be added to the summary sheet. It is hoped that this compilation will become more valuable to the user when used as an active resource.

SECTION II

INTRODUCTION

The objective of this project is to compile, standardize, and centralize data on the environmental requirements and pollution tolerance of the larval forms of the common species of chironomids. Many of these species are very widespread both ecologically and geographically, while others are very narrowly distributed in both regards.

During recent years, chironomids (Diptera:Chironomidae) have been used with increasing frequency to assess the condition of both inland and coastal waters. This group is particularly well-suited for this function for several reasons.

Many chironomid larvae can be identified to the species level relatively easily. Probably no other group of aquatic macroinvertebrates has had the intensity of study of the immature stages by as many people as have the chironomids.

Chironomids are among the most ubiquitous of aquatic invertebrates. They are found in a wide variety of aquatic habitats, including lakes, ponds, bogs, marshes, swamps, rivers, creeks, temporary pools, pitcher plants, bromeliads, tree-holes, and soil and leaf mold. Even man-made habitats such as sewage treatment plants, water treatment plants, fish pools, irrigation ditches, and bird baths have been exploited by chironomids. In this variety of aquatic habitats, chironomids occupy an even greater number of different microhabitats and are often dominant.

Finally, each chironomid taxon is thought to occupy a different niche in the aquatic ecosystem, responding individually to different chemical, physical, and biological parameters. Some species have broad tolerance ranges and are abundant in a wide variety of habitats and ecological conditions. Other species have very limited tolerance ranges and are restricted to specific habitats favorable to their existence. By careful analysis of a chironomid community and a knowledge of community members' ecological "preferences" and tolerances, especially in conjunction with the other macroinvertebrates, a great deal can be ascertained about the habitat and environment.

As various investigators have studied chironomid communities or macroinvertebrate communities, bits of information concerning the autecology of species have become available. This information is distributed throughout many journals and innumerable unpublished reports of various levels of governmental agencies.

In this form, the information is of limited use to those who would apply it. One difficulty of the present compilation has been to determine the reliability of identifications, especially to species, in reports, published or unpublished, available from a great variety of environmental agencies. In other words, it became necessary to determine who was responsible for identification or verification of the organisms in question. It speaks well for the quality of environmental work that many of these unpublished reports are among the finest sources of ecological data.

In the present report, by far the greatest source of information has been the writer's personal collections and records covering 28 years of aquatic environmental work. In addition, the writer has specimens and records from environmental agencies and universities for which he has done identifications.

SECTION III

ECOLOGICAL PARAMETERS

Chironomids are affected by many different parameters in the environment, and it is probably a combination of factors that limit their distribution. Several investigators have designated "spectral ranges" for individual chemical and physical parameters. Those selected here were recommended by the Aquatic Biology Section, Environmental Monitoring and Support Laboratory, U.S. Environmental Protection Agency, Cincinnati, for use with the macroinvertebrates.

DEFINITIONS

1. STAGE: Stage or stages to which source of data refer: eggs, larvae, pupae, or adults.

2. pH: Acidobiontic - occurring at pH below 7, preferring pH below 5.5.

 Acidophilous - occurring at pH around 7, but usually below 7.

 Neutral - best development around pH of 7.

 Alkaliphilous - occurring at a pH around 7, but usually above 7.

 Alkalibiontic - occurring at pH over 7, preferring pH over 8.5.

 Indifferent - common in both acidic and alkaline waters, not pH dependent.

3. SALINITY:

Polyhalobous - occurring in salt concentrations of over 40,000 mg/l.

Euhalobous - marine forms occurring in salt concentrations of 30,000 mg/l.

Mesohalobous - brackish water forms occurring in salt concentrations of 500 to 30,000 mg/l.

Oligohalobous - fresh water forms occurring in salt concentrations of less than 500 mg/l.

Euryhalinous - occurring under a broad range of salt concentrations, often encompassing two or more spectra.

4. NUTRIENT:

Eutrophic - characteristic of water with high nutrient concentrations.

Mesotrophic - characteristic of water with moderate nutrient concentrations.

Oligotrophic - characteristics of water with low nutrient concentrations.

Dystrophic - characteristics of waters rich in humic materials.

5. DEGRADABLE DISSOLVED ORGANICS:

Saprophilic - occurring usually in polluted waters accompanied by brief periods of dissolved oxygen concentrations below 5.0 mg/l, pH changes of up to 2 units, and/or temperatures exceeding 25°C; but also present in limited numbers in clean water habitats.

Facultative - wide range of tolerance to organic pollution; common in both polluted and clean waters.

Saproxylic - characteristic of clean water habitats but also tolerant of organic enrichment if the dissolved oxygen concentration remains above 5.0 mg/l, and pH and water temperature are not adversely altered.

Saprophobic - restricted to waters that have not been exposed to pollutants.

6. OXYGEN:

Euoxophilous - characteristic of water having high O₂ concentration (saturated).

Mesoxyphilous - characteristic of water having moderate O₂ concentration.

Oligoxyphilous - characteristic of water having low O₂ concentration.

Anoxyphilous - facultative anaerobic.

7. TEMPERATURE:

Euthermal - warm-water forms, usually occurring at temperatures greater than 30°C.

Mesothermal - temperate-water forms, usually occurring between 15° and 30°C.

Oligothermal - cold-water forms, usually occurring between 0° and 15°C.

Stenothermal - occurring over a temperature range of no greater than 5°C.

Metathermal - occurring over a temperature range of 5° to 15°C.

Eurythermal - occurring over a temperature range of 15°C or greater.

8. TURBIDITY:

Eulichotophilous - characteristic of low turbidities, clear water.

Mesolichtophilous - characteristic of waters, generally clear, occasionally clouded.

Polylichtophilous - occurring at wide range of turbidities.

Oligolichtophilous - characteristic of high turbidities, murky waters.

9. CURRENT:

Limnobiontic - characteristic only of standing waters.

Limnophilous - characteristic of standing water but may be found in running water.

Indifferent - common in both standing and flowing waters.

Rheophilous - characteristic of running water but may be found in standing water.

Rheobiontic - characteristic only of running water.

10. GENERAL HABITAT:

Marine - characteristic of oceans and seas.

Estuary - characteristic of estuaries and brackish water habitats.

Lake - characteristic of large inland bodies of standing water.

Pond - characteristic of small bodies of lentic water.

10. GENERAL HABITAT: (Cont'd)

River - characteristic of larger flowing waters.

Stream - characteristic of smaller flowing waters.

Spring - characteristic of springs and seepages.

Other - characteristic of intermittent streams and temporary pools and other aquatic habitats (when using this category specify type of habitat in notes).

11. SPECIFIC HABITAT:

Epibenthic - occurring on, but not penetrating, the substrate and submerged objects.

Embenthic - occurring in (penetrating) the substrate and submerged objects.

Epipelic - occurring on (or in) mud and silt.

Episabulic - occurring on (or in) sand.

Epilithic - occurring on (or under) rocks.

Epixyloous - occurring on (or burrowing into) wood.

Epizooic - occurring on (or within) animals.

Epiphytic - occurring on (or within) plants.

Attached - normally sessil.

Unattached - normally free living and capable of locomotion.

12. SEASONAL DISTRIBUTION OF MATURE FORMS (Emergence):

Winter - sexually mature form present during winter.

Spring - sexually mature form present during spring.

Summer - sexually mature form present during summer.

Autumn - sexually mature form present during autumn.

13. FEEDING BEHAVIOR:

Predator - feeds on other animal forms.

Herbivore - feeds primarily on plants.

Omnivore - feeds on both plants and animals.

Scavenger - feeds on non-living plant and animal matter.

14. GEOGRAPHIC DISTRIBUTION - Figure 1. U.S. Environmental Protection Agency regions.

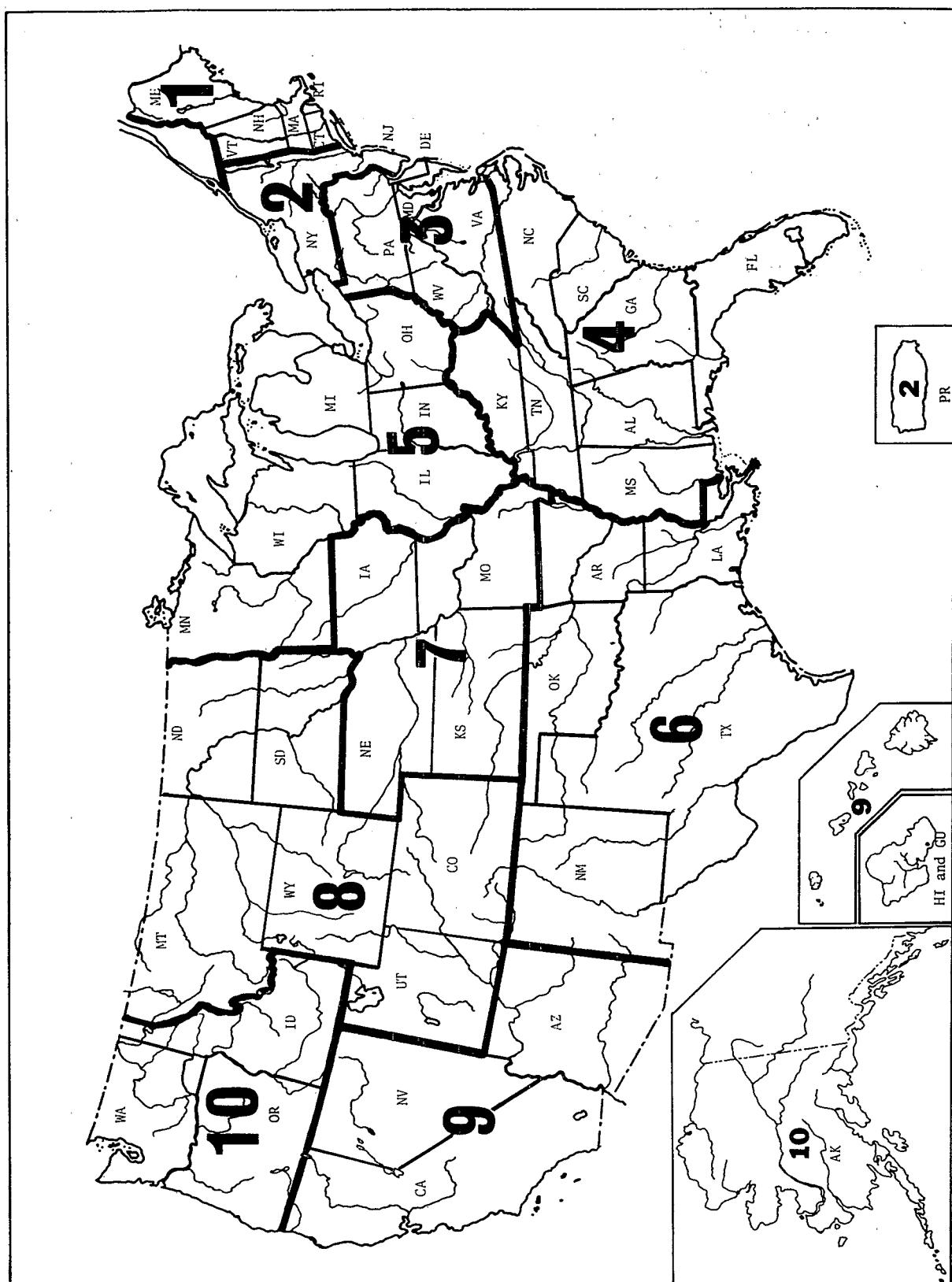


Figure 1. U.S. Environmental Protection Agency regions.

SECTION IV

DATA COMPILATION

In most instances, it has been necessary to take limited liberties in the interpretation of authors' comments on chironomid ecology. Some authors did not designate spectral categories for some of the parameters. Often inferences were made and enough information was given that enabled a designation to be made in the compilation. An investigator may have reported individual pH values, but gave no indication of a range of pH applied to a given species.

In the column headed "Consensus & Notes", emphasis has been placed on the latter. It is felt that both at present and in the future it would be of greater value for the reader to make his own judgment as to a consensus. Frequently, there are only two references for a species, one of which may list that species as a rheobiont and the other as rheophil. In these instances, a consensus at present would result in a classification of "indifferent", which is hardly justifiable.

This compilation is not intended to be used a rigid definitive assessment of the autecology of the species included. It should be remembered that the consensus for any parameter may represent the findings of a wide variety of investigators. These individuals may have used different methods of specimen collection and analysis of ecological parameters.

Keeping these considerations in mind, the compilation should prove useful to those employing chironomids in the assessment of water quality. As more information becomes available on any species, it may be added. Species not included in this project may be added on blanks provided at the end of the taxa ecological profiles section.

SECTION V

CHIRONOMIDS INCLUDED IN THIS COMPILATION

Ablabesmyia aequifasciata Dendy & Sublette

Ablabesmyia americana Fittkau

Ablabesmyia annulata (Say)

Ablabesmyia aspera (Roback)

Ablabesmyia basalis (Walley)

Ablabesmyia cinctipes (Johannsen)

Ablabesmyia hauberi Beck & Beck

Ablabesmyia illinoensis (Malloch)

Ablabesmyia mallochi (Walley)

Ablabesmyia monilis (Linnaeus)

Ablabesmyia ornata Beck & Beck

Ablabesmyia parajanta Roback

Ablabesmyia peleensis (Walley)

Ablabesmyia philosophagnos Beck & Beck

Ablabesmyia rhamphe Sublette

Ablabesmyia tarella Roback

Arctopelopia flavifrons (Johannsen)

Boreochlus persimilis Johannsen

Brillia flavifrons (Johannsen)

Brillia par (Coquillett)

Brillia parva Johannsen
Calopsectra confusa (Malloch)
Calopsectra dendyi (Sublette)
Calopsectra neoflavella (Malloch)
Calopsectra xantha (Sublette)
Cardiocladius obscurus (Johannsen)
Cardiocladius platypus (Coquillett)
Chironomus atrella (Townes)
Chironomus attenuatus Walker
Chironomus carus (Townes)
Chironomus chelonia (Townes)
Chironomus crassicaudatus (Malloch)
Chironomus plumosus (Linnaeus)
Chironomus riparius (Meigen)
Chironomus staegeri Lundbeck
Chironomus stigmaterus Say
Chironomus tentans Fabricius
Chironomus tuxis Curran
Cladotanytarsus Kieffer
Cladotanytarsus viridiventris (Malloch)
Clinotanypus Kieffer
Clinotanypus pinguis (Loew)
Clunio marshalli Stone & Wirth
Coelotanypus concinnus (Coquillett)
Coelotanypus scapularis (Loew)
Coelotanypus tricolor (Loew)

Conchapelopia Fittkau

Corynoneura taris Roback

Cricotopus sp. I (Beck)*

Cricotopus belkini Dendy & Sublette

Cricotopus bicinctus (Meigen)

Cricotopus exilis Johannsen

Cricotopus fugax (Johannsen)

Cricotopus politus (Coquillett)

Cricotopus remus Sublette

Cricotopus sylvestris (Fabricius)

Cryptochironomus blarina (Townes)

Cryptochironomus curtilamellatus Malloch

Cryptochironomus fulvus (Johannsen)

Cryptocladopelma Lenz

Cryptotendipes Lenz

Cryptotendipes casuarius (Townes)

Cryptotendipes darbyi Sublette

Cryptotendipes emorsus (Townes)

Demeijerea atrimanus (Coquillett)

Demeijerea brachialis (Coquillett)

Demicryptochironomus vulneratus (Zetterstedt)

Diamesa nivoriunda (Fitch)

Diamesa spinecies Saether

Dicrotendipes californicus (Johannsen)

Dicrotendipes fumidus Johannsen

*This is a very distinctive species thus far unreared and unnamed. It shows promise as a useful addition to this compilation when identified.

Dicrotendipes incurvus (Sublette)
Dicrotendipes leucoscelis (Townes)
Dicrotendipes lobus (E.C. Beck)
Dicrotendipes modestus (Say)
Dicrotendipes neomodestus Malloch
Dicrotendipes nervosus (Staeger)
Einfeldia austeni Beck & Beck
Einfeldia brunneipennis Johannsen
Einfeldia natchitocheae (Sublette)
Endochironomus nigricans (Johannsen)
Epoicocladius flavens (Malloch)
Eukiefferiella sp. Florida
Eukiefferiella coerulescens group
Glyptotendipes barbipes (Staeger)
Glyptotendipes lobiferus (Say)
Glyptotendipes meridionalis Dendy & Sublette
Glyptotendipes paripes (Edwards)
Goeldichironomus holoprasinus (Goeldi)
Guttipelopia currani Beck & Beck
Harnischia amachaerus (Townes)
Harnischia boydi (Beck)
Harnischia edwardsi (Kruseman)
Harnischia galeator (Townes)
Harnischia viridulus (Linnaeus)
Heterotrissocladus Sparck
Kiefferulus dux (Johannsen)
Krenosmittia Thienemann

Labrundinia becki Roback

Labrundinia floridana Beck & Beck

Labrundinia johannseni Beck & Beck

Labrundinia neopilosella Beck & Beck

Labrundinia pilosella (Loew)

Labrundinia virescens Beck & Beck

Larsia decolorata (Malloch)

Lauterborniella agrayloides (Kieffer)

Lauterborniella varipennis (Coquillett)

Leptochironomus nigrovittatus (Malloch)

Lobodiamesa Pagast

Macropelopia decedens (Walker)

Macropelopia hirtipennis (Loew)

Metriocnemus abdomino-flavatus Picado

Metriocnemus hamatus Johannsen

Metriocnemus knabi (Coquillett)

Micropsectra Kieffer

Micropsectra dives (Johannsen)

Micropsectra dubia (Malloch)

Micropsectra nigripila (Johannsen)

Micropsectra polita (Malloch)

Microtendipes pedellus (De Greer)

Monopelopia boliekae Beck & Beck

Monopelopia tillandsiae Beck & Beck

Nanocladius alternantherae Dendy & Sublette

Natarsia fastuosa (Johannsen)

Nilodorum deveineyae (Beck)
Nilotanypus americanus Beck & Beck
Nimbocera Reiss
Odontomesa fulva (Kieffer)
Omisus pica Townes
Orthocladius annectens Saether
Orthocladius obumbratus Johannsen
Pagastiella orophila (Edwards)
Parachironomus alatus (Beck)
Parachironomus carinatus (Townes)
Parachironomus directus (Dendy & Sublette)
"Parachironomus" demeijera (Kruseman)
Parachironomus hirtalatus Beck & Beck
Parachironomus monochromus (Wulp)
Parachironomus pectinatellae (Dendy & Sublette)
Parachironomus scheideri Beck & Beck
Parachironomus tenuicaudatus (Malloch)
Paracladopelma loganae Beck & Beck
Paracladopelma undine (Townes)
Paralauterborniella elachista (Townes)
Paralauterborniella nigrohalteralis (Malloch)
Paralauterborniella subcincta (Townes)
Paramerina anomala Beck & Beck
Paramerina smithae (Sublette)
Parametriocnemus lundbeckii (Johannsen)
Paratendipes albimanus (Meigen)

Paratendipes subaequalis (Malloch)

Paratendipes thermophilus Townes

Parochlus kiefferi (Garrett)

Parorthocladius Thienemann

Pedionomus beckae Sublette

Pentaneura comosa Sublette

Pentaneura inconspicua (Malloch)

Phaenopsectra Kieffer

Phaenopsectra profusa (Townes)

Polypedilum apicatum Townes

Polypedilum aviceps Townes

Polypedilum braseniae (Leathers)

Polypedilum convictum (Walker)

Polypedilum digitifer Townes

Polypedilum fallax (Johannsen)

Polypedilum halterale (Coquillett)

Polypedilum illinoense (Malloch)

Polypedilum labeculosum (Mitchell)

Polypedilum nigritum Townes

Polypedilum obtusum Townes

Polypedilum ontario (Walley)

Polypedilum scalaenum (Schrank)

Polypedilum simulans Townes

Polypedilum trigonum Townes

Polypedilum tritum (Walker)

Pothastia Kieffer

Procladius adumbratus (Johannsen)
Procladius bellus (Loew)
Procladius culiciformis (Linnaeus)
Procladius denticulatus Sublette
Procladius riparius (Malloch)
Prodiamesa bathyphila (Kieffer)
Prodiamesa olivacea (Meigen)
Psectrocladius elatus Roback
Psectrotanypus dyari (Coquillett)
Psectrotanypus venustus (Coquillett)
Psectrocladius vernalis (Malloch)
Pseudochironomus aix Townes
Pseudochironomus chen Townes
Pseudochironomus fulviventris (Johannsen)
Pseudochironomus richardsoni Malloch
Pseudodiamesa Goetghebuer
Rheocricotopus robacci (Beck)
Rheotanytarsus exiguum Johannsen
Sergentia coracina (Zetterstedt)
Smittia aterrima (Meigen)
Stempellina Bause
Stenochironomus hilaris (Walker)
Stenochironomus macatee (Malloch)
Stictochironomus devinctus (Say)
Stictochironomus varius Townes
Sympotthastia Pagast

Tanypus carinatus Sublette
Tanypus clavatus Beck
Tanypus grodhausi Sublette
Tanypus parastellatus Sublette
Tanypus neopunctipennis Sublette
Tanypus punctipennis Meigen
Tanypus stellatus (Coquillett)
Tanytarsus buckleyi Sublette
Tanytarsus confusus Malloch
Tanytarsus dendyi Sublette
Tanytarsus neoflavellus Malloch
Tanytarsus quadratus Sublette
Tanytarsus recens Sublette
Tanytarsus xanthus Sublette
Telmatogeton japonicus Tokunaga
Thalassomyia bureni Wirth
Thienemannimyia barberi (Coquillett)
Thienemannimyia senata (Walley)
Thienemaniella xena Roback
Tribelos sp.A (Beck)*
Tribelos fuscicornis (Malloch)
Tribelos jucundus (Walker)
Tribelos quadripunctatus (Malloch)
Trissocladius Kieffer

*This is a very distinctive species thus far unreared and unnamed. It shows promise as a useful addition to this compilation when identified.

Xenochironomus rogersi (Beck & Beck)

Xenochironomus scopula Townes

Xenochironomus taenionotus Say

Xenochironomus xenolabis Kieffer

Zavrelia Kieffer

Zavreliomyia carneosa Fittkau

SECTION VI

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Taxon: Ablabesmyia aequifasciata Dendy & Sublette

	Source	22	28		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
PH	Acidobiotic				
	Acidophilous				
	Neutral	X			
	Alkaliphilous		X		
	Alkalibiotic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic	X	X		
	Mesotrophic				
	Oligotrophic				
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxylicous	X	X		
	Saprophobic				
	Euoxyphilous				
	Mesoxyphilous	X			
	Oligoxyphilous	X			
	Anoxyphilous				
	Euthermal				
	Nesothermal	X	X		
	Oligothermal				
	Stenothermal				
	Metathermal	X			
	Eurythermal		X		
	Eulichotophilous				
	Nesolichotophilous	X	X		
	Polylichotophilous				
	Oligolichotophilous				
	Limnobiatic	X	X		
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic				
	Marine				
	Estuary				
	Lake				
	Pond	X	X		
	River				
	Stream				
	Spring				
	Other				
General Habitat	Epibenthic				
	Embenthic				
	Enipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic	X			
	Attached				
	Unattached	X	X		
Specific Habitat	Winter				
	Spring				
	Summer	X	X		
	Autumn				
Emerg.	Predator	X			
	Herbivore				
	Omnivore				
	Scavenger				
Feeding Behavior	Region I				
	Region II				
	Region III				
	Region IV		X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX		X		
	Region X				

Taxon: Ablabesmyia americana Fittkau

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbil.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiotic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiotic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Ablabesmyia annulata* (Say)

		Source	1	5		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous					
	Alkalibiontic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
	Eutrophic	X				
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic	X				
	Saprophilic					
	Facultative					
	Saproxylicous					
	Saprophobic	X				
	Euoxypophilous					
O ₂	Mesoxvphilous	X				
	Oligoxvphilous	.				
	Anoxvphilous					
	Euthermal					
	Mesothermal					
Temp.	Oligothermal					
	Stenothermal					
	Metathermal					
	Eurythermal	X	X			
Turbid.	Eulichotophilous					
	Mesolichtotophilous	X				
	Polylichotophilous					
	Oligolichtotophilous					
	Limnobiontic		X			
	Limnophilous					
Current	Indifferent					
	Rheophilous					
	Rheobiontic	X				
General Habitat	Marine					
	Estuary					
	Lake		X			
	Pond					
	River	X				
	Stream	X				
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic					
	Epelic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic	X				
Emer.	Attached					
	Unattached	X				
	Winter	X				
	Spring	X				
	Summer	X	X			
	Autumn	X				
	Predator	X				
	Herbivore					
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV	X				
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Ablabesmyia aspera (Roback)

	Source	1	4	7		Concensus & Notes
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
	Acidobiontic					
	Acidophilous		X	X		
pH	Neutral					
	Alkaliphilous					
	Alkalibiontic					
	Indifferent	X				
	Polyhalobous					
Salinity	Euhalobous					
	Nesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
Nutrient	Eutrophic	X		X		
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic	X		X		
Organics	Saprophilic					
	Facultative	X				
	Saproxylicous			X		
	Saprophobic					
	Euxyphilous					
O ₂	Mesoxypophilous					
	Oligoxypophilous	X				
	Anoxyphilous					
Temp.	Euthermal			X		
	Mesothermal					
	Oligothermal					
	Stenothermal					
	Metathermal					
	Eurythermal	X	X	X		
Turbid.	Eulichotophilous			X		
	Nesolichtophilous	X				
	Polylichtophilous					
	Oligolichtophilous					
	Limnobiontic					
Current	Limnophilous					
	Indifferent	X		X		
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake	X		X		
	Fond	X				
	River	X		X		
	Stream	X	X			
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic					
	Enipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoocic					
Emerg.	Epiphytic	X		X		
	Attached					
	Unattached	X		X		
	Winter	X		X		
	Spring	X		X		
	Summer	X	X	X		
	Autumn	X				
Feeding Behavior	Predator	X		X		
	Herbivore					
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III		X			
	Region IV	X	X			
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
Adults			
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Organic Nutrient Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
O ₂	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Temp.	Saprophilic		
	Facultative		
	Saproxyenous	X	
	Saprophobic		
	Euoxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Turbidity	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenochemical		
	Metathermal		
Current	Eurythermal	X	
	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiatic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Fond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Enithritic		
	Epixyloous		
	Epizoic		
	Epiphytic		
Feeding Behavior	Attached		
	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Ablabesmyia cinctipes (Johannsen)

		Source		Concensus & Notes	
		1	27	7	
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous			X	
	Neutral				
	Alkaliphilous			X	
	Alkalibiontic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
	Eutrophic	X		X	
	Mesotrophic				
	Oligotrophic			X	
	Dystrophic			X	
	Saprophilic				
	Facultative	X			
	Saproxylicous				
	Saprophobic			X	X
	Euoxyp hilous				
O ₂	Mesoxyp hilous	X	X	X	
	Oligoxyp hilous				
	Anoxyp hilous				
	Euthermal				
	Mesothermal		X	X	
Temp.	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X		X	
Turbid.	Sullichotophilous				
	Mesolichotophilous	X		X	
	Polylichotophilous				
	Oligolichotophilous				
Current	Limnobiontic	X		X	
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic			X	
General Habitat	Marine				
	Estuary				
	Lake	X		X	
	Pond			X	
	River				
	Stream			X	
	Spring				
	Other				
Specific Habitat	Epibenthic	X		X	
	Embenthic				
	Epipelic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
Feeding Behavior	Unattached	X		X	
	Winter			X	
	Spring		X	X	
	Summer	X		X	
	Autumn			X	
	Predator	X		X	
	Herbivore			X	
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X		X	
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X			X	

Taxon: Ablabesmyia hauberi Beck & Beck

Taxon: *Ablabesmyia illinoensis* (Malloch)

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
Nutrient Salinity	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organics	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
Temp.	Eutherma l		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiotic		
General Habitat	Marine		
	Estuary		
	Lake		
	Fond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Ablabesmyia mallochi* (Walley)

		Source	1	14	17	11			Concensus & Notes
Stage	Eggs								
	Larvae	X X X X							
	Pupae								
	Adults								
	Acidobiontic								
	Acidophilous								
	Neutral								
	Alkaliphilous								
	Alkalibiotic								
	Indifferent	X X X							
	Polyhalobous								
	Euhalobous								
	Mesohalobous								
	Oligohalobous	X X X X							
	Euryhalinous								
	Eutrophic		X						
	Mesotrophic	X X X							
	Oligotrophic								
	Dystrophic	X X							
	Saprophilic								
	Facultative								
	Saproxylicous	X X							
	Saprophobic			X					
	Euxyphilous								
	Mesoxyphilous	X X X							
	Oligoxyphilous				X				
	Anoxyphilous								
	Euthermal								
	Mesothermal		X						
	Oligothermal				X				
	Stenothermal								
	Metathermal					X			
	Eurythermal	X X							
	Eulichotophilous								
	Nesolichotophilous	X X							
	Polylichotophilous			X					
	Oligolichotophilous								
	Limnobiontic				X				
	Limnophilous	X							
	Indifferent								
	Rheophilous								
	Rheobiontic		X X						
	Marine								
	Estuary								
	Lake				X				
	Pond	X							
	River	X X X							
	Stream	X							
	Spring								
	Other								
	Epibenthic			X X					
	Embenthic								
	Epinelic								
	Episabulic								
	Enilithic								
	Epixyloous								
	Epizoic								
	Epiphytic	X X X							
	Attached								
	Unattached	X X X X							
	Winter	X							
	Spring	X				X			
	Summer	X		X X					
	Autumn	X							
	Predator	X							
	Herbivore								
	Omnivore								
	Scavenger								
	Region I								
	Region II								
	Region III	X							
	Region IV	X X X							
	Region V	X							
	Region VI				X				
	Region VII	X							
	Region VIII								
	Region IX								
	Region X								

Taxon: Ablabesmyia monilis (Linnaeus)

	Source	Concensus & Notes
Stage	22	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiotic		
Acidophilous		
Neutral	X	
Alkaliphilous		
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxyloous	X	
Saprophobic		
Euoxyphilous		
Mesoxyphilous		
Oligoxyphilous	X	
Anoxyphilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metothermal	X	
Eurythermal		
Bulichotophilous		
Nesolichtophilous	X	
Polylichtophilous		
Oligolichtophilous		
Limnobiontic	X	
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic		
Marine		
Estuary		
Lake		
Pond	X	
River		
Stream		
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizooic		
Epiphytic	X	
Attached		
Unattached	X	
Winter		
Spring		
Summer	X	
Autumn		
Predator	X	
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX	X	
Region X		

Taxon: *Ablabesmyia ornata* Beck & Beck

		Source					Concensus & Notes
			1	4	14	7	
Stage	Eggs						
	Larvae	X	X	X	X		
	Pupae						
	Adults						
	Acidobiontic						
	Acidophilous				X		
	Neutral						
pH	Alkaliphilous						
	Alkalibiotic						
	Indifferent	X	X	X			
	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X		X	X		
	Euryhalinous						
	Eutrophic			X	X		
	Mesotrophic	X					
	Oligotrophic						
	Dystrophic				X		
	Saprophilic						
	Facultative						
	Saproxyloous	X		X			
	Saprophobic				X		
	Euoxyphilous						
	Mesoxyphilous	X		X	X		
	Oligoxypphilous						
	Anoxypphilous						
	Euthermal						
	Mesothermal		X		X		
Temp.	Oligothermal						
	Stenothermal						
	Metathermal						
	Eurythermal	X			X		
	Eulichotophilous				X		
	Mesolichotophilous	X		X			
	Polylichotophilous						
	Oligolichotophilous						
	Limnobionti	X					
	Limnophilous						
	Indifferent						
	Rheophilous				X		
	Rheobiontic		X	X			
	Marine						
	Estuary						
	Lake						
	Pond				X		
	River	X		X			
	Stream	X	X	X			
	Spring						
	Other						
General Habitat	Epibenthic						
	Embenthic						
	Epinejic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizoic						
	Epiphytic	X		X	X		
	Attached						
	Unattached	X		X	X		
	Winter	X			X		
	Spring	X			X		
	Summer	X		X			
	Autumn	X					
	Predator	X					
	Herbivore						
	Omnivore	X					
	Scavenger						
Geographical Distribution	Region I						
	Region II	X					
	Region III	X	X				
	Region IV	X		X	X		
	Region V	X					
	Region VI						
	Region VII	X					
	Region VIII						
	Region IX						
	Region X						

Taxon: Ablabesmyia parajanta Roback

	Source	1	14	17	7	Concensus & Notes
Eggs						
Larvae		X	X	X	X	
Pupae						
Adults						
Acidobiontic		X				
Acidophilous					X	
Neutral		X				
Alkaliphilous						
Alkalibiotic						
Indifferent			X	X		
pH						
Polyhalobous						
Euhalobous						
Mesohalobous						
Oligohalobous		X	X	X	X	
Euryhalinous						
Eutrophic		X	X		X	
Mesotrophic				X		
Oligotrophic						
Dystrophic		X		X	X	
Saprophilic						
Facultative		X	X			
Saproxylicous					X	
Saprophobic				X		
Euxyphilous						
Mesoxyphilous		X	X	X	X	
Oligoxyphilous						
Anoxyphilous						
Euthermal						
Mesothermal				X	X	
Oligothermal						
Stenothermal						
Metathermal						
O ₂						
Eurythermal		X		X	X	
Eulichotophilous					X	
Mesolichtophilous		X	X			
Polylichotophilous				X		
Oligolichtophilous						
Limnobia						
Limnophilous						
Indifferent		X				
Rheophilous						
Rheobiontic			X	X	X	
General Habitat						
Marine						
Estuary						
Lake		X				
Pond		X				
River		X	X	X	X	
Stream		X			X	
Spring						
Other						
Specific Habitat						
Epibenthic						
Embenthic						
Epipelagic						
Episabulic						
Epilithic						
Epixylicous						
Epizoic						
Epiphytic		X	X	X	X	
Attached						
Unattached		X	X	X	X	
Emerg. Behavior						
Winter		X			X	
Spring		X			X	
Summer		X		X	X	
Autumn		X			X	
Feeding Behavior						
Predator		X			X	
Herbivore						
Omnivore		X				
Scavenger						
Geographical Distribution						
Region I						
Region II						
Region III		X				
Region IV		X	X	X	X	
Region V		X				
Region VI						
Region VII		X				
Region VIII						
Region IX						
Region X						

Taxon: *Ablabesmyia peleensis* (Walley)

	Source						Concensus & Notes
		1	4	12	14	7	
Stage	Eggs						
	Larvae	X	X	X	X	X	
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous					X	
	Neutral						
	Alkaliphilous						
	Alkalibiotic						
	Indifferent	X	X	X	X		
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X	X	X	X	X	
	Euryhalinous						
Organic Nutrient	Eutrophic	X			X	X	
	Mesotrophic						
	Oligotrophic						
	Dystrophic	X				X	
O ₂	Saprophilic						
	Facultative						
	Saproxylicous	X			X	X	
	Saprophobic						
	Euxyphilous						
	Nesoxyphilous	X		X	X	X	
	Oligoxyphilous						
	Anoxyphilous						
Temp.	Euthermal						
	Mesothermal					X	
	Stenothermal						
	Metathermal						
Turbidity	Eurythermal	X				X	
	Eulichotophilous						
	Nesolichtophilous	X			X	X	
	Polylichotophilous						
	Oligolichtophilous						
	Limnobiontic						
Current	Limnophilous						
	Indifferent	X				X	
	Rheophilous						
	Rheobiontic						
General Habitat	Marine						
	Estuary						
	Lake	X		X		X	
	Pond	X	X			X	
	River	X			X		
	Stream	X	X			X	
	Spring						
	Other	X					
Specific Habitat	Epibenthic					X	
	Embenthic						
	Epinelic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizooic						
	Epiphytic	X			X	X	
	Attached						
	Unattached	X		X	X	X	
Emerge.	Winter	X				X	
	Spring	X		X		X	
	Summer	X	X			X	
	Autumn	X		X		X	
Feeding Behavior	Predator					X	
	Herbivore						
	Omnivore	X					
	Scavenger						
Geographical Distribution	Region I						
	Region II	X					
	Region III	X	X				
	Region IV	X			X	X	
	Region V						
	Region VI						
	Region VII	X					
	Region VIII						
	Region IX						
	Region X						

Taxon: Ablabesmyia philosphagnos Beck & Beck

	Source	1	7		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiontic	X	X		
	Acidophilous				
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent				
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
Nutrient	Eutrophic		X		
	Nesotrophic				
	Oligotrophic				
	Dystrophic	X	X		
Organics	Saprophilic				
	Facultative				
	Saproxylicous	X			
	Saprophobic		X		
O ₂	Eucyphilous				
	Mesoxyphilous	X	X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal				
	Mesothermal	X			
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X	X		
Turbid.	Eulichotophilous		X		
	Nesolichotophilous				
	Polylichotophilous	X			
	Oligolichotophilous				
Current	Limnobiontic	X	X		
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic				
General	Marine				
Habitat	Estuary				
	Lake				
	Pond	X			
	River				
	Stream				
	Spring				
	Other	X	X	sphagnum bogs	
Specific	Epibenthic				
Habitat	Embenthic				
	Epinelic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizooic				
	Epiphytic	X	X		
	Attached				
	Unattached	X	X		
Emerg.	Winter	X	X		
Feeding	Spring	X			
Behavior	Summer	X			
	Autumn	X			
	Predator		X		
	Herbivore				
	Omnivore				
	Scavenger	X			
Geographical	Region I				
Distribution	Region II				
	Region III	X			
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: Ablabesmyia rhamphe Sublette

	Source						Concensus & Notes
		1	12	11	28	7	
Eggs							
Larvae	X	X	X	X	X		
Pupae							
Adults							
Acidobiontic							
Acidophilous				X			
Neutral							
Alkaliphilous				X			
Alkalibiotic							
Indifferent	X	X					
Polyhalobous							
Euhalobous							
Mesohalobous							
Oligohalobous	X	X	X	X	X		
Euryhalinous							
Eutrophic	X			X	X		
Mesotrophic			X				
Oligotrophic							
Dystrophic	X						
Saprophilic							
Facultative							
Saproxylicous	X			X	X		
Saprophobic							
Euoxyphilous							
Mesoxypphilous	X	X		X	X		
Oligoxypphilous			X				
Anoxypphilous							
Euthermal							
Mesothermal	X			X	X		
Oligothermal		X					
Stenothermal							
Metathermal			X				
Eurythermal	X			X	X		
Eulichotophilous							
Nesolichtophilous	X			X	X		
Polylichtophilous		X					
Oligolichtophilous							
Limnobiontic		X	X	X			
Limnophilous							
Indifferent	X			X			
Rheophilous							
Rheobiontic							
Marine							
Estuary							
Lake	X	X	X				
Pond				X			
River	X				X		
Stream	X						
Spring							
Other							
Epibenthic			X	X			
Embenthic							
Enipejic							
Episabulic							
Epilithic							
Epixyloous							
Epizoic							
Epiphytic	X	X			X		
Attached							
Unattached	X	X	X	X	X		
Winter	X						
Spring	X	X		X			
Summer	X	X	X	X	X		
Autumn	X	X					
Predator							
Herbivore							
Omnivore	X						
Scavenger							
Region I							
Region II							
Region III							
Region IV	X			X	X		
Region V				X	X		
Region VI							
Region VII							
Region VIII							
Region IX							
Region X							

Taxon: Ablabesmyia tarella Roback

		Source				Concensus & Notes
			1	4	7	
	Stage	Eggs				
	Larvae	X	X	X		
	Pupae					
	Adults					
	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous					
	Alkalibiontic					
	Indifferent	X	X	X		
	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
	Eutrophic				X	
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic	X		X		
	Saprophilic					
	Facultative	X				
	Saproxylicous					
	Saprofobic				X	
	Euxoxyphilous					
	Mesoxyphilous	X		X		
	Oligoxyphilous					
	Anoxyphilous					
	Euthermal					
	Mesothermal		X	X		
	Oligohermal					
	Stenothermal					
	Metathermal					
	Eurythermal	X		X		
	Eulichotophilous			X		
	Mesolichtotophilous	X				
	Polylichtotophilous					
	Oligolichtotophilous					
	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous	X				
	Rheobiontic			X	X	
	Marine					
	Estuary					
	Lake					
	Pond		X			
	River		X			
	Stream		X	X	X	
	Spring					
	Other					
	Epibenthic					
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixylicous					
	Epizoic					
	Epiphytic	X		X		
	Attached		X		X	
	Unattached	X			X	
	Winter	X			X	
	Spring	X			X	
	Summer	X	X			
	Autumn	X				
	Predator				X	
	Herbivore	X				
	Omnivore	X				
	Scavenger					
	Region I					
	Region II					
	Region III	X	X			
	Region IV	X		X		
	Region V	X				
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Arctopeplia flavifrons (Johannsen)

		Source	Concensus & Notes
Stage	Eggs	10	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Organic Nutrient Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
Organic Nutrient Salinity	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic	X	
	Euxyphilous		
	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxypophilous		
Temp.	Euthermal		
	Mesothermal	X	
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Epigabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring		
	Summer		
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Boreochlus persimilis* Johannsen

	Source	Concensus & Notes
Stage	27	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic		
Oligotrophic	X	
Dystrophic		
Saprophilic		
Facultative		
Saproxyloous		
Saproxylophobic	X	
Euoxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Nesothermal	X	
Temp.		
O2		
Eulichotophilous		
Nesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
General Habitat		
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
Specific Habitat		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached		
Feeding Behavior		
Emerg.		
Winter		
Spring	X	
Summer		
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX	X	
Region X		

Taxon: Brillia flavifrons (Johannsen)

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
Habitat	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Nutrient Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
Environment	Sapronhilic		
	Facultative		
	Saproxenous		
	Saprophobic		
Oxygen	Euoxyphilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbidity	Eulichotophilous		
	Nesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	Rivér		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epinelic		
	Episabulic		
	Epilithic		
	Epixyloous	X	
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring		
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Brillia par* (Coquilletti)

	Source	1	4	2		Concensus & Notes
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent	X		X		
Salinity	Polyhalobous					
	Euhalobous					
	Nesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
Nutrient	Eutrophic					
	Mesotrophic	X		X		
	Oligotrophic					
	Dystrophic	X				
Organism	Saprophilic					
	Facultative					
	Saproxylicous					
	Saprophobic	X				
O ₂	Euoxyphilous					
	Mesoxyp hilous	X		X		
	Oligoxyp hilous					
	Anoxyphilous					
Temp.	Euthermal					
	Mesothermal					
	Oligothermal					
	Stenothermal		X			
	Metathermal					
	Eurythermal	X		X		
Turbidity	Eulichotophilous					
	Mesolichotophilous	X				
	Polylichotophilous			X		
	Oligolichotophilous					
Current	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic	X	X	X		
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River	X		X		
	Stream	X	X			
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic					
	Epipelagic					
	Episublalic					
	Epilithic					
	Epixyloous	X		X		
	Epizoic					
	Epiphytic					
	Attached					
	Unattached			X		
Emerg.	Winter	X		X		
	Spring	X		X		
	Summer	X	X	X		
	Autumn	X				
Feeding Behavior	Predator					
	Herbivore	X				
	Omnivore					
	Scavenger			X		
Geographical Distribution	Region I					
	Region II					
	Region III	X	X			
	Region IV	X		X		
	Region V					
	Region VI					
	Region VII	X				
	Region VIII	X				
	Region IX					
	Region X					

wood burrowing

Taxon: Brillia parva Johannsen

		Source	Concensus & Notes
Stage	Eggs	3	
	Larvae	X	X
	Pupae		
	Adults		
	Acidobiontic		
	Acidophilous	X	
	Neutral		
pH	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
Nutrient Salinity	Mesohalobous		
	Oligohalobous	X	X
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
Organic	Oligotrophic	X	X
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
O ₂	Saprophobic	X	X
	Euxyphilous		
	Mesoxyp hilous	X	X
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal	X	
	Netathermal	X	
	Eurythermal		
Turbid.	Bulichotrophic	X	
	Nesolichtotrophic		
	Polylichtotrophic		
	Oligolichtotrophic		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring	X	
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Ener.	Winter		
	Spring	X	
	Summer		
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I	X	
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: *Calopsectra confusa* (Malloch)

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxypophilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenitic		
	Epipelitic		
	Episabulic		
	Epilithic		
	Epixylicous		
	Epizooic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
	Winter		
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euoxyphilous		
	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
	Marine		
	Estuary		
	Lake		
General Habitat	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
Feeding Behavior	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
Current	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
General Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Specific Habitat	Winter		
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Calopsectra xantha (Sublette)

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
H	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylic	X	
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous	X	
O2	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epinelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Cardiocladus obscurus* (Johannsen)

	Source				Concensus & Notes
		1	4	6	
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
pH	Acidobiotic				
	Acidophilous	X		X	
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent		X		
Organic Current Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
	Eutrophic				
	Nesotrophic	X		X	
	Oligotrophic				
	Dystrophic	X			
	Saprophilic				
	Facultative				
	Saproxylicous	X			
	Saprophobic				
	Euoxyphilous	X			
	Mesoxyphilous		X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal	X			
	Mesothermal				
	Oligothermal				
	Stenothermal		X		
	Metathermal		X		
	Eurythermal				
Turbid.	Eulichotophilous				
	Mesolichotophilous	X			
	Polylichotophilous				
	Oligolichotophilous				
	Limnobia				
	Limnophilous				
	Indifferent				
Current.	Rheophilous		X		
	Rheobiontic	X	X		
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River	X			
	Stream		X	X	
	Spring				
	Other				
Specific Habitat	Epibenthic				
	Embenthic				
	Epipelagic				
	Episabulic				
	Epilithic	X		X	
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
	Unattached		X		
Emerg.	Winter	X			
	Spring	X			
	Summer	X	X	X	
	Autumn	X			
Feeding Behavior	Predator				
	Herbivore				
	Omnivore	X		X	
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III	X	X		
	Region IV	X			
	Region V	X		X	
	Region VI				
	Region VII	X			
	Region VIII	X			
	Region IX				
	Region X				

Taxon: *Cardiocladius platypus* (Coquillett)

		Source	Concensus & Notes
	Eggs	27	
Stage	Larvae	X	
	Pupae		
	Adults		
	Acidobiontic		
pH	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
Salinity	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
Organic Nutrient	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylic		
	Saproxenous		
	Saprophobic	X	
	Euoxypophilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Hothermal		
	Nesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Chironomus atrella (Townes)

		Source	Concensus & Notes
Stage	Eggs	23	
	Larvae	X	
	Pupae		
	Adults		
Env.	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organic Nutrient	Saprophilic	X	
	Facultative		
	Saproxyloous		
	Saprophobic		
	Euxylophilous		
	Mesoxylophilous		
	Oligoxylophilous		
	Anoxylophilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent	X	
Current	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary	X	
	Lake		
	Fond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached	X	
	Unattached		
Emerg.	Winter		
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I	X	
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Chironomus attenuatus* Walker

		Source										Concensus & Notes
			12	2	18	11	21	22	25	26	28	
Stage	Eggs											
	Larvae	X	X	X	X	X	X	X	X	X	X	
	Pupae											
	Adults											
pH	Acidobiontic				X							
	Acidophilous											
	Neutral						X					
	Alkalibiontic									X		
	Indifferent	X	X			X		X	X		X	
Salinity	Polyhalobous											
	Euhalobous											
	Mesohalobous											
	Oligohalobous	X	X	X	X	X	X	X	X	X	X	
	Euryhalinous											
Nutrient	Eutrophic				X		X	X	X	X	X	
	Mesotrophic	X		X								
	Oligotrophic											
	Dystrophic											
O ₂	Saprophilic								X	X		
	Facultative				X		X					
	Saproxylicous						X			X	X	
	Saprophobic											
	Euxylophilous											
Temp.	Mesoxyphilous	X	X	X						X	X	
	Oligoxyphilous				X	X	X	X	X			
	Anoxyphilous		X					X	X		X	
Turbid.	Euthermal	X		X		X	X	X	X	X	X	
	Mesothermal				X							
	Metathermal					X		X				
	Eurythermal	X	X		X			X	X	X	X	
	Eulichotophilous											
	Mesolichotophilous			X			X	X	X	X		
	Polylichotophilous	X	X			X						X
	Oligolichotophilous											
Current	Limnobiontic	X	X	X	X	X	X	X	X	X	X	
	Limnophilous											
	Indifferent											
	Rheophilous		X									
	Rheobiontic											
General Habitat	Marine											
	Estuary											
	Lake	X		X								
	Pond				X		X	X	X	X	X	
	River		X									
	Stream											
	Spring											
	Other											
Specific Habitat	Epibenthic									X		
	Embenthic	X	X	X	X	X	X	X	X		X	
	Epipelagic											
	Episabulic											
	Epilithic											
	Epixyloous											
	Epizoic											
	Epiphytic											
	Attached											
	Unattached	X	X	X	X	X	X	X	X	X	X	
Emerg. Season	Winter		X	X	X							X
	Spring	X	X	X	X							X
	Summer	X	X	X	X			X				X
	Autumn	X	X	X	X							X
Feeding Behavior	Predator					X						
	Herbivore											
	Omnivore											
	Scavenger		X									
Geographical Distribution	Region I											
	Region II											
	Region III											
	Region IV		X									X
	Region V				X							
	Region VI	X			X							
	Region VII							X	X			
	Region VIII											
	Region IX					X	X					X
	Region X											

Taxon: Chironomus carus (Townes)

	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323	80324	80325	80326	80327	80328	80329	80330	80331	80332	80333	80334	80335	80336	80337	80338	80339	80340	80341	80342	80343	80344	80345	80346	80347	80348	80349	80350	80351	80352	80353	80354	80355	80356	80357	80358	80359	80360	80361	80362	80363	80364	80365	80366	80367	80368	80369	80370	80371	80372	80373	80374	80375	80376	80377	80378	80379	80380	80381	80382	80383	80384	80385	80386	80387	80388	80389	80390	80391	80392	80393	80394	80395	80396	80397	80398	80399	80400	80401	80402	80403	80404	80405	80406	80407	80408	80409	80410	80411	80412	80413	80414	80415	80416	80417	80418	80419	80420	80421	80422	80423	80424	80425	80426	80427	80428	80429	80430	80431	80432	80433	80434	80435	80436	80437	80438	80439	80440	80441	80442	80443	80444	80445	80446	80447	80448	80449	80450	80451	80452	80453	80454	80455	80456	80457	80458	80459	80460	80461	80462	80463	80464	80465	80466	80467	80468	80469	80470	80471	80472	80473	80474	80475	80476	80477	80478	80479	80480	80481	80482	80483	80484	80485	80486	80487	80488	80489	80490	80491	80492	80493	80494	80495	80496	80497	80498	80499	80500	80501	80502	80503	80504	80505	80506	80507	80508	80509	80510	80511	80512	80513	80514	80515	80516	80517	80

Taxon: Chironomus chelonia (Townes)

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organics	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
Current	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous		
O ₂	Oligoxyphilous	X	
	Anoxyphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat:	Marine		
	Estuary		
	Lake	X	
	Fond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat:	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
Feeding Behavior:	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution:	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Chironomus crassicaudatus (Malloch)

		Source		Concensus & Notes	
		11	28		
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous	X			
	Alkalibiontic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic		X		
	Nesotrophic	X			
	Oligotrophic				
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxenous	X			
	Saprophobic				
	Euxyphilous				
	Mesoxyphilous	X			
	Oligoxyphilous	X			
	Anoxyphilous				
	Euthermal				
	Mesothermal	X			
	Oligothermal	X			
	Stenothermal				
	Metathermal	X			
	Eurythermal	X			
Temp.	Eulichotophilous				
	Nesolichotophilous	X			
	Polylichotophilous				
	Oligolichotophilous				
	Limnobiontic	X	X		
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic				
Current	Marine				
	Estuary				
	Lake	X			
	Pond		X		
	River				
	Stream				
	Spring				
	Other				
General Habitat	Epibenthic		X		
	Embenthic	X			
Specific Habitat	Epipelic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizooic				
	Epiphytic				
	Attached				
	Unattached	X	X		
Energ.	Winter				
Feeding Behavior	Spring		X		
	Summer	X	X		
	Autumn		X		
	Predator				
	Herbivore				
	Omnivore				
	Scavenger				
	Region I				
	Region II				
	Region III				
	Region IV	X			
	Region V				
	Region VI	X			
	Region VII				
	Region VIII				
	Region IX				
Geographical Distribution	Region X				

Taxon: Chironomus plumosus (Linnaeus)

	Source	6	18	22	25	26	28	Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults				X			
pH	Acidobiotic							
	Acidophilous							
	Neutral			X				
	Alkaliphilous						X	
	Alkalibiotic							
	Indifferent				X	X		
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
	Eutrophic			X	X	X	X	
	Mesotrophic	X						
	Oligotrophic							
	Dystrophic							
O ₂	Saprophilic					X	X	
	Facultative	X						
	Saproxytic			X			X	
	Saprophobic							
	Euoxyphilous							
	Mesoxyp hilous	X	X				X	
	Oligoxyp hilous			X	X	X		
	Anoxyp hilous	X						
Temp.	Euther mal							
	Mesothermal		X	X	X	X	X	
	Oligothermal							
	Stenothermal							
	Metather mal			X				
	Eurythermal	X	X		X	X	X	
Turbid.	Eulichotophilous							
	Nesolichtophilous		X	X	X	X	X	
	Polylichtophilous							
	Oligolichtophilous							
	Limnobiontic		X	X	X	X	X	
	Limnophilous							
Current	Indifferent							
	Rheophilous							
	Rheobiontic	X						
General Habitat	Marine							
	Estuary							
	Lake							
	Pond		X	X	X	X	X	
	River							
	Stream	X						
	Spring							
	Other							
Specific Habitat	Epibenthic						X	
	Embenthic	X	X	X	X	X		
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Epiphytic							
	Attached							
Emers.	Unattached	X	X	X	X	X	X	
	Winter		X				X	
	Spring		X				X	
	Summer	X	X	X			X	
	Autumn		X				X	
Feeding Behavior	Predator							
	Herbivore							
	Omnivore							
	Scavenger	X						
Geographical Distribution	Region I							
	Region II							
	Region III							
	Region IV					X		
	Region V	X	X					
	Region VI							
	Region VII					X		
	Region VIII							
	Region IX				X			
	Region X							

Taxon: Chironomus riparius (Meigen)

Taxon: *Chironomus staegeri* Lundbeck

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
	Acidobiontic		
	Acidophilous		
	Neutral		
Habitat	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Nutrient	Polyhalobous		
	Euhalobous		
	Mesohalobous		
Salinity	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euxyphilous		
Oxygen	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbidity	Eulichotophilous		
	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelic		
	Episublic		
	Epilithic		
	Epixylic		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Season	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Chironomus stigmaterus* Say

	Source	1	11	21	29		Concensus & Notes
<u>Stage</u>	Eggs						
Larvae	X	X	X	X			
Pupae							
Adults	.	.	.	.
<u>pH</u>	Acidobiontic						
Acidophilous							
Neutral							
Alkaliphilous							
Alkalibiontic							
Indifferent	X		X	X			
<u>Salinity</u>	Polyhalobous						
Euhalobous							
Mesohalobous							
Oligohalobous	X	X	X	X			
Euryhalinous							
Eutrophic	X		X	X			
Mesotrophic		X					
Oligotrophic							
Dystrophic							
Saprophilic							
Facultative	X		X				
Saproxylicous				X			
Saprophobic							
Euoxyphilous							
Mesoxypphilous	X			X			
Oligoxypphilous		X	X				
Anoxypphilous				X			
Euthermal							
Mesothermal			X	X			
Temp.	Oligothermal		X				
Stenothermal							
Metathermal		X					
Eurythermal	X		X	X			
Turbid.	Eulichotophilous						
Mesolichotophilous							
Polylichotophilous	X		X	X			
Oligolichotophilous							
Limnobiontic	X	X	X	X			
Limnophilous							
Indifferent							
Rheophilous							
Rheobiontic							
<u>General Habitat</u>	Marine						
Estuary							
Lake	X	X					
Pond	X		X	X			
River							
Stream							
Spring							
Other	X						
<u>Specific Habitat</u>	Epibenthic						
Embenthic	X	X	X	X			
Epipelagic							
Episabulic							
Epilithic							
Epixyloous							
Epizooic							
Epiphytic							
Attached							
Unattached	X	X	X	X			
<u>Emerg. Season</u>	Winter	X					
Spring	X						
Summer	X	X					
Autumn	X						
<u>Feeding Behavior</u>	Predator			X			
Herbivore							
Omnivore							
Scavenger	X						
<u>Geographical Distribution</u>	Region I						
Region II							
Region III							
Region IV	X						
Region V							
Region VI		X					
Region VII							
Region VIII							
Region IX		X	X				
Region X							

Taxon: Chironomus tentans Fabricius

	Source	Concensus & Notes
Stage	20	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent	X	
Salinity		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic	X	
Oligotrophic		
Dystrophic		
Organic Nutrient		
Saprophilic		
Facultative	X	
Saproxylicous		
Saprophobic		
Euoxyphilous		
Mesoxyphilous		
Oligoxyphilous	X	
Anoxyphilous	X	
Temp.		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Turbid.		
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiatic		
Limnophilous	X	
Indifferent		
Rheophilous		
Rheobiontic		
General Habitat		
Marine		
Estuary		
Lake	X	
Pond	X	
River		
Stream	X	
Spring		
Other	X	waste-stabilization lagoons
Specific Habitat		
Epibenthic		
Embenthic	X	
Epipelagic		
Episabulic		
Epilithic		
Epixylic		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Feeding Behavior		
Winter		
Spring		
Summer	X	
Autumn	X	
Predator		
Herbivore		
Omnivore		
Scavenger	X	
Geographical Distribution		
Region I		
Region II	X	
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: Chironomus tuxis Curran

Taxon: Cladotanytarsus Kieffer

		Source	1	4	14		Concensus & Notes
Stage	Eggs						
	Larvae	X	X	X			
	Pupae						
	Adults	.	.	.			
pH	Acidobiontic						
	Acidophilous		X	X			
	Neutral						
	Alkaliphilous						
	Alkalibiontic						
	Indifferent	X					
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X		X			
	Euryhalinous						
	Eutrophic	X		X			
	Mesotrophic	X					
	Oligotrophic	X					
	Dystrophic	X					
	Sapronhilic			X			
	Facultative	X					
	Saproxylic						
	Saprophobic						
	Euxyphilous	X					
O ₂	Mesoxyphilous	X.		X			
	Oligoxyphilous						
	Anoxyphilous	.					
	Euthermal						
	Mesothermal						
	Oligothermal						
Temp.	Stenothermal						
	Metathermal		X				
	Eurythermal	X					
Turbid.	Eulichotophilous						
	Mesolichotophilous	X		X			
	Polylichotophilous						
	Oligolichotophilous						
	Limnobiontic						
Current	Limnophilous			X			
	Indifferent	X					
	Rheophilous						
	Rheobiontic			X			
General Habitat	Marine						
	Estuary						
	Lake	X					
	Pond	X	X				
	River	X		X			
	Stream	X					
	Spring						
	Other						
Specific Habitat	Epibenthic						
	Embenthic						
	Epipelagic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizoic						
	Epiphytic	X		X			
Emerg.	Attached	X		X			
	Unattached	X		X			
Feeding Behavior	Winter	X					
	Spring	X					
	Summer	X	X				
	Autumn	X					
Geographical Distribution	Predator						
	Herbivore	X					
	Omnivore						
	Scavenger						
	Region I						
	Region II						
	Region III	X	X				
	Region IV	X		X			
	Region V	X					
	Region VI						
	Region VII	X					
	Region VIII	X					
	Region IX						
	Region X						

Taxon: Cladotanytarsus viridiventris (Malloch)

	Source					Concensus & Notes
		12	22	28	11	
Stage	Eggs					
	Larvae	X	X	X	X	
	Pupae					
	Adults					
PH	Acidobiontic					
	Acidophilous					
	Neutral	X				
	Alkaliphilous		X			
	Alkalibiontic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X	X	
	Euryhalinous					
	Eutrophic		X	X		
	Nesotrophic	X			X	
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxylicous	X	X			
	Saprophobic					
	Euxyphilous					
O ₂	Mesoxyp hilous	X		X		
	Oligoxyp hilous		X		X	
	Anoxyphilous					
	Euthermal					
	Mesothermal		X	X		
	Oligothermal				X	
	Stenothermal					
	Metathermal		X	X		
	Eurythermal	X		X		
	Bulichotophilous					
	Nesolichtophilous	X	X	X		
	Polylichotophilous					
	Oligolichtophilous					
	Limnobiontic	X	X	X	X	
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake	X		X		
	Fond		X	X		
	River					
	Stream					
	Spring					
	Other					
Specific Habitat	Epibenthic	X		X		
	Embenthic				X	
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic					
Emerg. Feeding	Attached					
	Unattached	X	X	X	X	
	Winter	X			X	
	Spring	X			X	
	Summer	X	X		X	
	Autumn	X				
	Predator					
	Herbivore					
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV				X	
	Region V					
	Region VI	X				
	Region VII					
	Region VIII					
	Region IX		X			
	Region X					

TAXON: Clinotanypus Kieffer

		Source	1	4	9	2	5	14	25	26	Concensus & Notes
	Eggs										
	Larvae	X	X	X	X	X	X	X	X		
	Pupae										
	Adults										
	Acidobiontic										
	Acidophilous										
	Neutral										
	Alkaliphilous			X							
	Alkalibiotic										
	Indifferent	X	X		X		X	X	X		
	Polyhalobous										
	Euhalobous										
	Mesohalobous										
	Oligohalobous	X	X	X	X	X	X	X	X		
	Euryhalinous										
	Eutrophic	X					X	X	X		
	Mesotrophic	X			X						
	Oligotrophic										
	Dystrophic	X									
	Saprophilic							X	X		
	Facultative	X		X			X				
	Saproxylicous										
	Saprophobic										
	Euxyphilous										
	O2										
	Mesoxypophilous	X		X	X		X				
	Oligoxypophilous							X	X		
	Anoxypophilous							X	X		
	Euthermal										
	Mesothermal							X	X		
	Temp.										
	Oligothermal										
	Stenothermal										
	Metathermal		X		X						
	Eurythermal	X		X		X		X	X		
	Eulichotophilous										
	Nesolichotophilous	X					X	X	X		
	Polylichotophilous					X					
	Oligolichotophilous										
	Limnobiontic				X						
	Limmophilous					X					
	Indifferent			X							
	Rheophilous	X			X						
	Rheobiotic						X				
	Marine										
	Estuary										
	Lake	X				X					
	Pond		X								
	River	X			X		X				
	Stream	X	X								
	Spring										
	Other	X								marsh	
	General Habitat										
	Epibenthic	X		X	X						
	Embenthic						X	X			
	Epipelagic										
	Episabulic										
	Enlithic										
	Enixyloous										
	Epizooic										
	Epiphytic					X					
	Attached										
	Unattached	X			X		X	X	X		
	Winter	X				X					
	Spring	X									
	Summer	X	X		X						
	Autumn	X			X	X					
	Predator	X									
	Herbivore										
	Omnivore										
	Scavenger										
	Region I										
	Region II										
	Region III	X	X								
	Region IV	X			X			X			
	Region V	X		X							
	Region VI										
	Region VII	X				X		X	X		
	Region VIII										
	Region IX										
	Region X										

Taxon: Clinotanypus pinguis (Loew)

	Source	28	8	Concensus & Notes
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous	X	X	
	Alkalibiontic			
	Indifferent			
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X		
	Nesotrophic	X		
	Oligotrophic			
	Dystrophic			
	Saprophilic			
	Facultative			
	Saproxyloous	X		
	Saprophobic	X		
	Euoxyphephilous			
O ₂	Mesoxyphephilous	X	X	
	Oligoxyphephilous			
	Anoxyphephilous			
	Euthermal			
	Mesothermal	X	X	
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X	X	
	Eulichotophilous			
Turbidity	Mesolichotophilous	X	X	
	Polylichotophilous			
	Oligolichotophilous			
	Limnobiontic	X		
Current	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic	X		
General Habitat	Marine			
	Estuary			
	Lake			
	Pond	X		
	River			
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic	X	X	
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic			
	Attached			
	Unattached	X	X	
Emerg. Behavior	Winter		X	
	Spring	X	X	
	Summer		X	
	Autumn	X		
Feeding Behavior	Predator			
	Herbivore			
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X		
	Region V		X	
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

		Source	Concensus & Notes
Stage	Eggs	32	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichotophilous		
	Oligolichtotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
General Habitat	Marine	X	
	Estuary	X	
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring		
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
Geographical Distribution	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Coelotanypus concinnus* (Coquillett)

Stage	Source									Concensus & Notes
		1	9	2	5.	11	28	8	30	
Eggs										
Larvae	X	X	X	X	X	X	X	X		
Pupae										
Adults										
Acidobiontic										
Acidophilous										
Neutral									X	
Alkaliphilous		X				X	X			
Alkalibiotic										
Indifferent	X		X							
Polyhalobous										
Euhalobous										
Mesohalobous										
Oligohalobous	X	X	X	X	X	X	X	X		
Euryhalinous										
Eutrophic	X						X			
Mesotrophic	X		X		X		X	X		
Oligotrophic										
Dystrophic	X									
Saprophilic										
Facultative	X									
Saproxylicous						X	X	X		
Saprophobic										
Euxyphilous										
Mesoxyphilous	X	X	X			X	X	X		
Oligoxyphilous						X				
Anoxyphilous										
Euthermal										
Mesothermal							X	X	X	
Oligothermal						X				
Stenothermal										
Metathermal				X		X				
Eurythermal	X	X		X		X	X	X	X	
Eulichotophilous										
Nesolichotophilous	X					X	X	X		
Polylichotophilous				X						
Oligolichotophilous										
Limnobiontic		X			X	X	X			
Limnophilous	X									
Indifferent										
Rheophilous			X							
Rheobiontic							X	X		
Marine										
Estuary										
Lake	X			X	X					
Pond						X				
River	X		X					X		
Stream	X						X			
Spring										
Other	X									marsh
Epibenthic	X	X	X	X	X	X	X	X		
Embenthic										
Epipelagic										
Episabulic										
Enlithic										
Epixyloous										
Epizoic										
Epiphytic										
Attached										
Unattached	X		X	X	X	X	X	X		
Winter	X							X		
Spring	X						X		X	
Summer	X			X	X	X	X	X		
Autumn	X		X					X		
Predator	X									
Herbivore										
Omnivore										
Scavenger			X							
Region I										
Region II										
Region III	X									
Region IV	X			X			X		X	
Region V	X	X						X		
Region VI							X			
Region VII					X					
Region VIII										
Region IX										
Region X										

Taxon: *Coelotanypus scapularis* (Loew)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative	X	
	Saproxyinous		
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
	Marine		
General Habitat	Estuary		
	Lake	X	
	Pond	X	
	River	X	
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epinelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator	X	
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Coelotanypus tricolor (Lowe)

		Source		Concensus & Notes	
		1	11		
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous				
	Alkalibiontic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic	X			
	Mesotrophic				
	Oligotrophic		X		
	Dystrophic	X			
	Saprophilic				
	Facultative				
	Saproxyloous	X			
	Saprophobic				
	Euxoxyphilous				
O ₂	Mesoxoxyphilous	X			
	Oligoxoxyphilous		X		
	Anoxoxyphilous				
	Euthermal				
	Mesothermal				
Temp.	Oligothermal		X		
	Stenothermal				
	Metathermal		X		
	Eurythermal	X			
Turbid.	Eulichotophilous				
	Mesolichotophilous	X			
	Polylichotophilous				
	Oligolichotophilous				
	Limnobiontic		X		
Current	Limnophilous		X		
	Indifferent				
	Rheophilous				
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X	X		
	Pond				
	River	X			
	Stream				
	Spring				
	Other				
Specific Habitat	Epibenthic	X	X		
	Embenthic				
	Epipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
Emerg.	Unattached	X	X		
Feeding Behavior	Winter	X			
	Spring	X	X		
	Summer	X	X		
	Autumn	X			
	Predator				
	Herbivore				
	Omnivore	X			
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X			
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent	X	
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Nesotrophic		
Oligotrophic		
Dystrophic	X	
Saprophilic		
Facultative		
Saproxylic		
Saprophobic		
Euxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Os		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Turbidity		
Eulichotophilous		
Mesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiatic		
Limnophilous		
Indifferent		
Rheophilous	X	
Rheobiontic		
General Habitat		
Marine		
Estuary		
Lake	X	
Fond	X	
River	X	
Stream	X	
Spring		
Other		
Specific Habitat		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizooic		
Epiphytic	X	
Attached		
Unattached	X	
Emerg.		
Winter	X	
Spring	X	
Summer	X	
Autumn	X	
Feeding Behavior		
Predator		
Herbivore		
Omnivore	X	
Scavenger		
Geographical Distribution		
Region I		
Region II	X	
Region III	X	
Region IV	X	
Region V	X	
Region VI		
Region VII	X	
Region VIII	X	
Region IX	X	
Region X		

Taxon: *Corynoneura taris* Roback

		Source	1	4			Concensus & Notes
Stage	Eggs						
	Larvae		X	X			
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous			X			
	Neutral						
	Alkaliphilous						
	Alkalibiotic						
	Indifferent			X			
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous		X	X			
	Euryhalinous						
Nutrient	Eutrophic			X			
	Mesotrophic			X	X		
	Oligotrophic						
	Dystrophic			X			
Organic	Saprophilic						
	Facultative						
	Saproxenous						
	Saprophobic			X	X		
O ₂	Euoxiphilous						
	Mesoxyphilous			X	X		
	Oligoxyphilous						
	Anoxyphilous						
Temp.	Euthermal						
Turbid.	Mesothermal			X	X		
	Oligothermal						
	Stenothermal						
	Metathermal						
	Eurythermal			X	X		
	Eulichotophilous						
Current	Mesolichotophilous			X			
	Polylichotophilous						
	Oligolichotophilous						
	Limnobiotic						
	Limnophilous						
	Indifferent						
	Rheophilous						
	Rheobiontic			X	X		
General	Marine						
Habitat	Estuary						
	Lake						
	Pond						
	River			X	X		
Specific	Stream			X	X		
Habitat	Spring						
	Other						
	Epibenthic						
	Embenthic						
	Epipelagic						
	Episabulic						
	Enlithic						
	Epixyloous						
	Epizoic						
	Epiphytic			X			
	Attached						
Emerg.	Unattached			X			
Feeding	Winter			X			
Behavior	Spring			X			
	Summer			X	X		
	Autumn			X			
	Predator						
	Herbivore						
	Omnivore			X			
Geographical	Scavenger						
Distribution	Region I						
	Region II			X			
	Region III			X	X		
	Region IV			X			
	Region V			X			
	Region VI						
	Region VII						
	Region VIII						
	Region IX						
	Region X						

Taxon: Cricotopus sp. I (Beck)*

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
Organic	Facultative		
	Saproxyloous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Fond		
	River	X	
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV		
	Region V	X	
	Region VI		
	Region VII	X	
	Region VIII	X	
	Region IX		
	Region X		

*This is a very distinctive species thus far unreared and unnamed. It shows promise as a useful addition to this compilation when identified.

Taxon: Cricotopus belkini Dendy & Sublette

		Source	Concensus & Notes
		11	
Stage	Eggs		
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic		
	Euoxypophilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal		
	Eurythermal		
	Eulichotophilous		
	Nesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Cricotopus bicinctus (Meigen)

		Source	Concensus & Notes								
			1	4	9	12	2	14	11	22	10
Stage	Eggs										
	Larvae	X	X	X	X	X	X	X	X	X	
	Pupae										
	Adults										
pH	Acidobiontic										
	Acidophilous										
	Neutral							X			
	Alkaliphilous		X	X						X	
	Alkalibiotic										
	Indifferent	X			X	X	X				
	Polyhalobous										
	Euhalobous										
	Mesohalobous										
	Oligohalobous	X	X	X	X	X	X	X	X	X	
	Euryhalinous										
	Eutrophic	X					X		X		
	Mesotrophic	X				X		X		X	
	Oligotrophic										
	Dystrophic	X									
	Saprophilic										
	Facultative										
	Saproxylicous						X		X	X	
	Saprophobic	X									
	Euxyphilous										
O ₂	Mesoxyphilous	X		X	X	X	X			X	
	Oligoxyphilous							X	X		
	Anoxxyphilous										
	Euthermal										
	Nesothermal				X				X	X	
	Oligothermal							X			
	Stenothermal					X					
	Metathermal		X						X	X	X
	Eurythermal	X		X							
Turbid.	Eulichotiphilous										X
	Mesolichotiphilous	X					X		X		
	Polylichotiphilous				X	X					
	Oligolichotiphilous										
	Limnobiontic				X	X			X	X	
	Limnophilous		X								
	Indifferent										
	Rheophilous										
	Rheobiontic	X			X		X			X	
	Marine										
	Estuary										
	Lake					X			X		
	Pond			X							
	River	X	X		X		X				
	Stream	X	X							X	
	Spring										
	Other										
Specific Habitat	Epibenthic	X									
	Embenthic										
	Enipelagic										
	Episabulic										
	Epilithic									X	
	Epixyloous										
	Epizoic										
	Epiphytic				X		X	X	X	X	
	Attached										
	Unattached	X		X		X	X	X	X	X	
	Winter	X				X				X	
	Spring	X				X					
	Summer	X	X					X	X		
	Autumn	X						X		X	
Feeding Behavior	Predator										
	Herbivore	X								X	
	Omnivore										
	Scavenger										
	Region I										
	Region II										
	Region III	X	X	X							
	Region IV	X				X	X				
	Region V	X		X							
	Region VI				X			X			
	Region VII	X									
	Region VIII	X									
	Region IX								X		
	Region X										

Taxon: Cricotopus exilis Johannsen

		Source	Concensus & Notes									
			24									
Stage	Eggs											
	Larvae	X										
Habitat	Pupae											
	Adults											
Nutrient	Acidobiontic											
	Acidophilous											
Salinity	Neutral											
	Alkaliphilous	X										
Oxygen	Alkalibiotic											
	Indifferent											
Organic	Polyhalobous											
	Euhalobous											
Current	Mesohalobous											
	Oligohalobous	X										
Temperature	Euryhalinous											
	Eutrophic	X										
Oxygen	Mesotrophic											
	Oligotrophic											
Organic	Dystrophic											
	Saprophilic											
Current	Facultative											
	Saproxylicous											
Turbidity	Saprophobic	X										
	Euxyphilous	X										
Temperature	Mesoxyphilous											
	Oligoxyphilous											
Organic	Anoxyphilous											
	Euthermal											
Current	Mesothermal	X										
	Oligothermal											
Turbidity	Stenothermal											
	Metathermal	X										
Organic	Eurythermal											
	Eulichotophilous	X										
Current	Mesolichotophilous											
	Polylichotophilous											
Turbidity	Oligolichotophilous											
	Limnobiontic											
Organic	Limnophilous											
	Indifferent											
Current	Rheophilous											
	Rheobiontic	X										
General Habitat	Marine											
	Estuary											
Specific Habitat	Lake											
	Pond											
General Habitat	River											
	Stream	X										
Specific Habitat	Spring											
	Other											
General Habitat	Epibenthic											
	Embenthic											
Specific Habitat	Epipelagic											
	Episabulic											
General Habitat	Epilithic	X										
	Epixyloous											
General Habitat	Epizoic											
	Epiphytic											
General Habitat	Attached											
	Unattached	X										
Season	Winter											
	Spring											
Season	Summer											
	Autumn											
Feeding Behavior	Predator	X										
	Herbivore											
Geographical Distribution	Omnivore											
	Scavenger											
Geographical Distribution	Region I											
	Region II											
Geographical Distribution	Region III											
	Region IV	X										
Geographical Distribution	Region V											
	Region VI											
Geographical Distribution	Region VII											
	Region VIII											
Geographical Distribution	Region IX											
	Region X											

Taxon: Cricotopus fugax (Johannsen)

	Source	Concensus & Notes
Stage	24	
Eggs		
Larvae	X	
Pupae		
Adults		
PH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxylicous		
Saprophobic	X	
Euxyphilous	X	
Mesoxyphilous		
Oligoxyphilous		
Anoxyphilous		
Eothermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal	X	
Eurythermal		
Turbid.		
Eulichotophilous	X	
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
General Habitat		
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
Specific Habitat		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Enolithic	X	
Epikyious		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Emerg.		
Winter		
Spring		
Summer		
Autumn		
Feeding Behavior		
Predator	X	
Herbivore		
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: Cricotopus politus (Coquillett)

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Vacultative		
	Saproxenous		
	Saprophobic		
	Euoxypophilous		
O ₂	Mesoxypophilous		
	Oligoxypophilous	X	
	Anoxypophilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
Feeding Behavior	Unattached	X	
	Winter		
	Spring		
	Summer		
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Cricotopus remus Sublette

	Source							Concensus & Notes
		1	4	9	12	11	26	
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous							
	Neutral							
	Alkaliphilous	X	X					
	Alkalibiontic							
	Indifferent	X			X		X	
Nutrient Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
	Eutrophic	X						X
	Mesotrophic	X				X		
	Oligotrophic							
	Dystrophic	X						
Organic	Saprophilic							X
	Facultative							
	Saproxylicous	X						
	Saprophobic							
	Euoxyphilous							
O ₂	Nesoxyphilous	X		X	X			
	Oligoxyphilous					X	X	
	Anoxyphilous						X	
	Euthermal							
Temp.	Mesothermal				X		X	
	Oligothermal					X		
	Stenothermal							
	Metothermal							
	Eurythermal	X				X		
Turbid.	Eulichotophilous		X				X	
	Nesolichtophilous	X					X	
	Polylichotophilous				X			
	Oligolichtophilous							
	Limnobiontic			X	X	X	X	
	Limnophilous							
Current	Indifferent	X	X					
	Rheophilous							
	Rheobiontic							
General Habitat	Marine							
	Estuary							
	Lake	X	X		X	X		
	Pond	X	X				X	
	River	X						
	Stream	X	X					
	Spring							
Specific Habitat	Other							
	Epibenthic					X		
	Embenthic						X	
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous	X						
	Epizoic							
	Epiphytic	X			X			
	Attached							
Feeding Behavior	Unattached	X			X	X	X	
	Winter	X						
	Spring	X				X	X	
	Summer	X	X		X	X		
	Autumn	X						
Geographical Distribution	Predator							
	Herbivore	X						
	Omnivore							
	Scavenger							
	Region I							
	Region II	X						
	Region III	X	X	X				
	Region IV	X						
	Region V	X		X				
	Region VI				X	X		
	Region VII						X	
	Region VIII	X						
	Region IX							
	Region X							

Taxon: Cricotopus sylvestris (Fabricius)

		Source	Concensus & Notes
Stage	Eggs	22	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Nutrient Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxypophilous		
	Oligoxypophilous	X	
	Anoxypophilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiolic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
Emerg.	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator	X	
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

	Source	1	9	11	28		Concensus & Notes
Stage	Eggs						
	Larvae	X	X	X	X		
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous						
	Neutral						
	Alkaliphilous		X		X		
	Alkalibiotic						
	Indifferent	X					
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X	X	X	X		
	Euryhalinous						
Organic nutrient	Eutrophic	X			X		
	Nesotrophic	X		X			
	Oligotrophic						
	Dystrophic	X					
	Saprophilic						
	Facultative						
	Saproxylicous	X			X		
	Saprophobic						
O ₂	Euxyphilous						
	Nesoxypylous	X			X		
	Oligoxypylous			X			
	Anoxypylous						
Temp.	Euthermal						
	Mesothermal			X			
	Oligothermal						
	Stenothermal						
	Metathermal		X				
	Eurythermal	X	X		X		
Turbid.	Eulichotophilous						
	Nesolichtophilous	X			X		
	Polylichtophilous						
	Oligolichtophilous						
	Limnobiontic			X			
Current	Limnophilous				X		
	Indifferent	X					
	Rheophilous						
	Rheobiontic	X					
General Habitat	Narine						
	Estuary						
	Lake	X		X			
	Pond				X		
	River	X					
	Stream	X					
	Spring						
	Other						
Specific Habitat	Epibenthic				X		
	Embenthic	X		X			
	Epinejic						
	Episabulic						
	Enolithic						
	Enixyloous						
	Epizoic						
	Epiphytic						
	Attached						
Emerg.	Unattached	X		X	X		
	Winter	X					
	Spring	X			X		
	Summer	X		X	X		
	Autumn	X					
Feeding Behavior	Predator	X					
	Herbivore						
	Omnivore	X					
	Scavenger						
Geographical Distribution	Region I						
	Region II						
	Region III	X					
	Region IV	X			X		
	Region V	X	X				
	Region VI			X			
	Region VII						
	Region VIII						
	Region IX						
	Region X						

Taxon: *Cryptochironomus curtilamellatus* Malloch

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Nutrient Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Oxygen	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Eucyphotophilous		
	Mesoxyphotophilous		
	Oligoxyphotophilous	X	
	Anoxyphotophilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbidity	Eulichotophilous		
	Nesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Cryptochironomus fulvus* (Johannsen)

	Source									Concensus & Notes
		1	4	9	12	11	22	28	8	
Stage	Eggs									
	Larvae	X	X	X	X	X	X	X	X	
	Pupae									
	Adults									
pH	Acidobiontic									
	Acidophilous									
	Neutral					X				
	Alkaliphilous							X	X	
	Alkalibiontic									
	Indifferent	X	X	X	X					
Salinity	Polyhalobous									
	Euhalobous									
	Mesohalobous									
	Oligohalobous	X	X	X	X	X	X	X	X	
	Euryhalinous									
	Eutrophic	X				X	X			
	Mesotrophic	X				X		X		
	Oligotrophic									
	Dystrophic	X								
	Saprophilic									
	Facultative	X								
	Saproxylicous						X	X		
	Saprophobic								X	
	Euxyphilous									
O ₂	Mesoxyphilous	X		X	X			X	X	
	Oligoxyphilous					X	X			
	Anoxyphilous	X								
	Euthermal									
Temp.	Mesothermal				X		X	X	X	
	Oligothermal					X				
	Stenothermal									
	Metathermal		X			X	X	X		
	Eurythermal	X	X						X	
Turbid.	Eulichotophilous									
	Mesolichotophilous	X					X	X	X	
	Polylichotophilous				X					
	Oligolichotophilous									
	Limnobia			X	X	X	X	X		
Current	Limnophilous									
	Indifferent	X	X							
	Rheophilous									
	Rheobiontic							X		
	Marine									
	Estuary									
	Lake	X			X	X				
	Pond	X	X				X	X		
	River	X								
	Stream	X	X						X	
	Spring									
General Habitat	Other									
	Epibenthic							X		
	Embenthic	X			X	X	X		X	
	Epipelagic									
	Episabulic									
	Epilithic									
	Epixyloous									
	Epizoic									
	Epiphytic									
	Attached									
	Unattached	X			X	X	X	X	X	
Emerg.	Winter	X								
	Spring	X				X	X		X	
	Summer	X	X			X	X	X	X	
	Autumn	X				X				
Feeding Behavior	Predator	X								
	Herbivore									
	Omnivore	X								
	Scavenger									
	Region I									
	Region II									
	Region III	X	X	X						
	Region IV	X						X		
	Region V	X		X					X	
	Region VI					X	X			
	Region VII									
	Region VIII	X								
	Region IX							X		
Geographical Distribution	Region X									

Taxon: Cryptocladopelma Lenz

	Source	Concensus & Notes
Stage	Eggs Larvae Pupae Adults	X 14
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiontic	
Salinity	Indifferent Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous Eutrophic Mesotrophic Oligotrophic Dystrophic Saprophilic	X X
Nutrient	Facultative Saproxenous Saprophobic Euoxyphilous Mesoxyp hilous Oligoxyp hilous Anoxyp hilous Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal	
O ₂	Eulichotophilous Mesolichotophilous Polylichtophilous Oligolichtophilous Limnobiontic Limnophilous Indifferent Rheophilous Rheobiontic	X
Temp.	Marine Estuary Lake Pond River Stream Spring Other	
Turbid.	Epibenthic Embenthic Epipelagic Episabulic Epilithic Epixyloous Epizoic Epiphytic Attached Unattached	
General Habitat	Winter Spring Summer Autumn Predator Herbivore Omnivore Scavenger	X
Specific Habitat	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X	X
Geographical Distribution		

		Source	Concensus & Notes
Stage	Eggs	14	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyloous		
	Organic nutrient		
	Saprophobic	X	
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
Tem.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichtophilous	X	
	Polylichotophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Epigabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring		
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Cryptotendipes casuarinus (Townes)

	Source	Concensus & Notes
Stage:	33	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous	X	
Neutral		
Alkaliphilous		
Alkalibiontic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic	X	
Saprophilic		
Facultative		
Saproxyloous		
Saprophobic	X	
Euoxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Eothermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Eulichotophilous		
Mesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous	X	
Rheobiontic		
Marine		
Estuary		
Lake		
Pond	X	
River	X	
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic	X	
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Winter	X	
Spring	X	
Summer		
Autumn	X	
Predator		
Nerivore		
Omnivore	X	
Scavenger		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: Cryptotendipes darbyi, Sublette

		Source	Concensus & Notes
	Eggs	22	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Content	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylic		
	Saproxylophilous	X	
	Euxylophilous		
O ₂	Mesoxyp hilous		
	Oligoxyp hilous	X	
	Anoxyp hilous		
Temp.	Rutherford		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metothermal	X	
	Eurythermal		
Turbidity	Eulichetophilous		
	Mesolichetophilous	X	
	Polylichetophilous		
	Oligolichetophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Cryptotendipes emorsus (Townes)

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Hypertrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Anoxyphilous		
O ₂	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxypophilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Bulichotrophic		
	Mesolichtotrophic	X	
	Polylichtotrophic		
	Oligolichtotrophic		
Current	Limnobiotic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiotic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embentic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring	X	
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Demeijerea atrimanus (Coquillett)

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
Habitat	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylic		
	Saprophobic		
	Euxyphilous		
	Mesoxynphilous	X	
	Oligoxynphilous		
	Anoxynphilous		
	Euthermal		
	Nesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epelic		
	Episabulic		
	Enlithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Demeijereia brachialis (Coquilletti)

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Fond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Demicyclochironomus vulneratus* (Zetterstedt)

	Source	Concensus & Notes
Stage	14	
Eggs		
Larvae	X	
Pupae		
Adults		
Ph.		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent	X	
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxylicous		
Saprophobic	X	
Euxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal		
Temp.		
Eulichotophilous		
Nesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Current		
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
General Habitat		
Epibenthic		
Embenthic	X	
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Specific Habitat		
Emerg.		
Winter		
Spring		
Summer		
Autumn		
Feeding Behavior		
Predator		
Herbivore		
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: *Diamesa nivoriunda* (Fitch)

		Source	Concensus & Notes
Stage	Eggs	24	
	Larvae	X	
	Rupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
Salinity	Oligohalobous	X	
	Suryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organics	Saprophilic		
	Facultative		
	Saproxylic		
	Saproxenous		
	Saprophobic	X	
	Buoxiphilous	X	
O ₂	Mesoxiphilous		
	Oligoxiphilous		
	Anoxiphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous	X	
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic	X	
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer		
	Autumn		
	Predator	X	
Feeding Behavior	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous		
Neutral	X	
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic		
Oligotrophic	X	
Dystrophic		
Saprophilic		
Facultative		
Saproxyloous		
Saprophobic	X	
Euxyphilous	X	
Mesoxyphilous		
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal		
Eulichotophilous		
Nesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Marine		
Estuary		
Lake		
Pond		
River	X	
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Enisabulic		
Epilithic	X	
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Energy.		
Winter		
Spring		
Summer		
Autumn		
Predator		
Herbivore	X	
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII	X	
Region IX		
Region X		

Taxon: Dicrotendipes californicus (Johannsen)

		Source	Concensus & Notes
Stage	Eggs	22	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic nutrient	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyloous	X	
	Saprophobic		
	Euoxypophilous		
O ₂	Mesoxypophilous		
	Oligoxypophilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
Turbid.	Metathermal	X	
	Eurythermal		
	Bulichotophilous		
	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Dicrotendipes fumidus Johannsen

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous		
O ₂	Oligoxyphilous	X	
	Anoxxyphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichoptophilous		
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Enipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Eozooic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Dicrotendipes incurvus (Sublette)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic	X	
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
Nutrient	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Anoxyphilous		
O ₂	Mesoxoxyphilous	X	
	Oligoxoxyphilous		
	Anoxophilous		
	Euthermal		
Temp.	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiotic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiotic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Fond	X	
	River		
	Stream		
	Spring		
	Other	X	
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer		
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Roadside ditch

Taxon: Dicrotendipes leucoscelis (Townes)

		Source		Concensus & Notes
Stage	Eggs	1		
	Larvae	X		
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous	X		
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic			
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxylic			
	Saproxenous			
	Saprophobic	X		
	Euoxyphilous			
	Mesoxypphilous	X		
	Oligoxypphilous			
	Anoxypphilous			
	Euthermal			
	Mesothermal	X		
Temp.	Oligothermal			
	Stenothermal			
	Netothermal			
	Eurythermal	X		
	Eulichotophilous	X		
	Nesolichtophilous			
	Polylichotophilous			
	Oligolichtophilous			
	Limnobiontic			
	Limnophilous	X		
	Indifferent			
	Rheophilous			
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake			
	Pond	X		
	River			
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic	X		
	Embenthic			
	Epinelic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic			
	Attached			
	Unattached	X		
Emerg. Behav.	Winter	X		
	Spring	X		
	Summer			
	Autumn			
Feeding Behavior	Predator			
	Herbivore			
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X		
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euoxyphilous		
O ₂	Mesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
Current	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Dicrotendipes modestus (Say)

	Source	1	4	9	12	11	22	28			Concensus & Notes
Stage	Eggs										
	Larvae	X	X	X	X	X	X	X			
	Pupae										
	Adults										
PH	Acidobiontic										
	Acidophilous										
	Neutral							X			
	Alkaliphilous								X		
	Alkalibiotic										
	Indifferent	X	X	X	X						
Organic Nutrient Salinity	Polyhalobous										
	Euhalobous										
	Mesohalobous	X									
	Oligohalobous	X	X	X	X	X	X	X			
	Euryhalinous										
	Eutrophic	X						X	X		
	Mesotrophic	X					X				
	Oligotrophic										
	Dystrophic	X									
	Saprophilic										
	Facultative										
	Saproxyloous	X					X	X			
	Saprophobic										
	Euoxyphilous										
02	Mesoxyphilous	X			X			X			
	Oligoxyphilous						X	X			
	Anoxyphilous										
Temp.	Euthermal										
	Mesothermal				X		X	X			
	Oligothermal					X					
	Stenothermal										
	Metathermal			X			X	X			
	Eurythermal	X		X				X			
Turbid.	Eulichotophilous										
	Nesolichotophilous	X					X	X			
	Polylichotophilous				X						
	Oligolichotophilous										
Current	Limnobiontic				X	X	X	X			
	Limnophilous										
	Indifferent	X	X								
	Rheophilous										
	Rheobiontic										
General Habitat	Marine										
	Estuary	X									
	Lake	X	X		X	X					
	Fond						X	X			
	River	X	X								
	Stream			X							
	Spring										
	Other										
Specific Habitat	Epibenthic	X			X		X	X			
	Embenthic					X					
	Epipelagic										
	Enisabulic										
	Enolithic										
	Epixyloous	X									
	Epizootic										
	Epiphytic										
	Attached										
	Unattached	X			X	X	X	X			
Energy.	Winter	X							X		
	Spring	X							X	X	
	Summer	X	X		X	X	X	X			
	Autumn	X						X			
Feeding Behavior	Predator										
	Herbivore										
	Omnivore	X									
	Scavenger										
Geographical Distribution	Region I										
	Region II										
	Region III	X	X	X							
	Region IV	X							X		
	Region V										
	Region VI					X	X				
	Region VII										
	Region VIII										
	Region IX							X			
	Region X										

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Nesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Steuothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
Current	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerge.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
Geographical Distribution	Region X		

Taxon: Dicrotendipes nervosus (Staeger)

	Source							Concensus & Notes
		1	9	12	11	22	28	
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous							
	Neutral					X		
	Alkaliphilous		X				X	
	Alkalibiontic			X				
	Indifferent	X						
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
Organic Nutrient	Eutrophic	X				X	X	
	Mesotrophic							
	Oligotrophic							
	Dystrophic	X						
	Saprophilic							
	Facultative							
	Saproxylicous	X				X	X	
	Saprophobic							
	Euoxyphilous							
O ₂	Mesoxvphilous	X		X			X	
	Oligoxvphilous				X	X		
	Anoxvphilous							
	Euthermal							
Temp.	Nesothermal			X		X	X	
	Oligothermal				X			
	Stenothermal							
	Metathermal							
	Eurythermal	X	X			X	X	
Turbid.	Eulichotophilous						X	
	Nesolichotophilous	X				X	X	
	Polylichotophilous				X			
	Oligolichotophilous							
	Limnobiontic			X	X	X	X	
Current	Limnophilous							
	Indifferent							
	Rheophilous	X						
	Rheobiontic		X					
General Habitat	Marine							
	Estuary							
	Lake	X	X	X				
	Fond				X	X		
	River	X						
	Stream	X						
	Spring							
	Other							
Specific Habitat	Epibenthic	X	X		X	X		
	Embenthic			X				
	Epinelic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizooic							
	Epiphytic							
	Attached							
Emerg.	Unattached	X	X	X	X	X		
Feeding Behavior	Winter	X						
	Spring	X	X				X	
	Summer	X	X	X	X	X		
	Autumn	X	X				X	
Geographical Distribution	Predator							
	Herbivore							
	Omnivore	X						
	Scavenger							
	Region I							
	Region II							
	Region III							
	Region IV	X						
	Region V	X						
	Region VI			X	X			
	Region VII							
	Region VIII							
	Region IX					X		
	Region X							

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
BH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinicus		
	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative	X	
	Saproxenous		
	Saprophobic		
	Eoxyphilous		
02	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
	Eulichotophilous		
	Mesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary	X	
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
O ₂	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbidity	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Enipelagic		
	Episabulic		
	Epilithic		
	Enixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Season, Emerge.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Einfeldia natchitocheae (Sublette)

	Source	1	12	Concensus & Notes
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent	X	X	
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative	X		
	Saproxenous			
	Saprophobic			
O ₂	Euxylophilous			
	Mesoxylophilous	X	X	
	Oligoxylophilous			
	Anoxylophilous			
Temp.	Euthermal			
	Mesothermal	X		
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X		
Turbid.	Eulichotophilous			
	Mesolichotophilous	X		
	Polylichotophilous		X	
	Oligolichotophilous			
Current	Limnobiotic		X	
	Limnophilous			
	Indifferent	X		
	Rheophilous			
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake	X	X	
	Pond	X		
	River	X		
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Embenthic	X	X	
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoocic			
	Epiphytic			
	Attached			
	Unattached	X	X	
Energy.	Winter	X		
	Spring	X		
	Summer	X		
	Autumn	X	X	
Feeding Behavior	Predator			
	Herbivore			
	Omnivore			
	Scavenger	X		
Geographical Distribution	Region I			
	Region II			
	Region III	X		
	Region IV	X		
	Region V			
	Region VI		X	
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: *Endochironomus nigricans* (Johannsen)

	Source	1	4	9	12	2	18	11	22	28	8	Concensus & Notes
Eggs												
Larvae	X	X	X	X	X	X	X	X	X	X		
Pupae												
Adults												
Acidobiontic								X				
Acidophilous			X									
Neutral								X	X			
Alkaliphilous										X		
Alkalibiontic												
Indifferent	X		X	X	X							
Polyhalobous												
Euhalobous												
Mesohalobous												
Oligohalobous	X	X	X	X	X	X	X	X	X	X		
Euryhalinous												
Eutrophic	X						X	X	X			
Nesotrophic	X						X	X			X	
Oligotrophic												
Dystrophic	X											
Saprophilic												
Facultative							X					
Saproxylicous	X							X	X			
Saprophobic											X	
Euxylophilous												
Nesoxypophilous	X	X	X	X	X					X	X	
Oligoxyphilous								X	X			
Anoxyphilous							X					
Euthermal												
Mesothermal						X	X		X	X	X	
Oligothermal								X				
Stenothermal												
Metathermal												
Eurythermal	X	X		X	X			X	X			
Eulichotophilous												
Nesolichotophilous	X						X		X	X	X	
Polylichotophilous					X	X						
Oligolichotophilous												
Limnobiontic		X		X			X	X	X	X		
Limnophilous	X											
Indifferent			X									
Rheophilous												
Rheobiontic							X			X		
Marine												
Estuary												
Lake	X	X		X				X				
Pond	X						X		X	X		
River	X					X						
Stream										X		
Spring												
Other												
Epibenthic					X				X	X	X	
Embenthic						X	X					
Epipelagic												
Episabulic												
Epilithic												
Epixyloous												
Epizooic												
Epinhytic	X											
Attached												
Unattached	X			X		X	X	X	X	X	X	
Winter	X				X	X	X				X	
Spring	X					X		X			X	
Summer	X	X			X	X	X	X	X	X	X	
Autumn						X	X	X				
Predator												
Herbivore	X											
Omnivore												
Scavenger												
Region I												
Region II												
Region III	X	X	X									
Region IV	X					X						
Region V	X	X					X				X	
Region VI					X			X				
Region VII												
Region VIII	X											
Region IX									X			
Region X												

		Source	Concensus & Notes
		1	
Stage	Eggs		
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euoxyphilous		
O ₂	Mesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River	X	
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic	X	
	Epiphytic		
	Attached	X	
	Unattached		
Emerg.	Winter	X	
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII	X	
	Region VIII	X	
	Region IX		
	Region X		

This species lives attached
to burrowing mayflies.

Taxon: Eukiefferiella sp. Florida

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
II	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euxyphilous		
III	Mesoxvphilous	X	
	Oligoxvphilous		
	Anoxvphilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
	Marine		
	Estuary		
	Lake		
	Fond		
	River	X	
	Stream	X	
	Spring		
	Other		
General Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epiizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Specific Habitat	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Emerg.	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Eukiefferiella coerulescens group

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic	X	
	Dystrophic	X	
Organism	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Enipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring	X	
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Glyptotendipes barbipes (Staeger)

	Source	19	21	25	26	29		Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X		
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous							
	Neutral							
	Alkaliphilous							
	Alkalibiotic							
	Indifferent	X	X	X	X	X		
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X		
	Euryhalinous							
Nutrient	Eutrophic	X	X	X	X	X		
	Mesotrophic							
	Oligotrophic							
	Dystrophic							
Organic	Saprophilic			X	X			
	Facultative	X	X					
	Saproxylic					X		
	Saproxenous							
	Saprophobic							
O ₂	Euoxyphilous							
	Mesoxyphilous					X		
	Oligoxyp hilous	X	X	X	X			
	Anoxyp hilous	X		X	X	X		
Temp.	Euthermal							
	Mesothermal							
	Oligothermal							
	Stenothermal							
	Netothermal							
Turbid.	Eurythermal		X	X	X	X		
	Eulichotophilous							
	Nesolichotophilous				X	X		
	Polylichotophilous	X	X			X		
	Oligolichotophilous							
Current	Limnobiontic	X	X	X	X	X		
	Limnophilous							
	Indifferent							
	Rheophilous							
	Rheobiontic							
General habitat	Marine							
	Estuary							
	Lake							
	Pond		X	X	X	X		
	River							
	Stream							
	Spring							
	Other							
Specific Habitat	Epibenthic							
	Embenthic	X	X	X	X	X		
	Enipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Eniphytic							
	Attached							
Emerg. Season	Unattached	X	X	X	X	X		
	Winter							
	Spring	X						
	Summer	X						
	Autumn							
Feeding Behavior	Fredator		X					
	Herbivore							
	Omnivore							
	Scavenger	X						
Geographical Distribution	Region I							
	Region II							
	Region III							
	Region IV							
	Region V							
	Region VI							
	Region VII			X	X			
	Region VIII							
	Region IX		X			X		
	Region X	X						

Taxon: Glyptotendipes lobiferus (Say)

	Source	1	9	12	2	18	11	22	8		Concensus & Notes
Stage	Eggs	X	X	X	X	X	X	X	X		
	Larvae										
	Pupae										
	Adults										
BH	Acidobiontic						X				
	Acidophilous										
	Neutral							X			
	Alkaliphilous	X							X		
	Alkalibiotic		X	X							
	Indifferent	X									
Salinity	Polyhalobous										
	Euhalobous										
	Mesohalobous										
	Oligohalobous	X	X	X	X	X	X	X	X		
	Euryhalinous										
Organic Current	Eutrophic	X				X			X		
	Mesotrophic	X			X					X	
	Oligotrophic										
	Dystrophic	X									
	Saprophilic										
	Facultative	X				X					
	Saproxylicous									X	
	Saprophobic										
	Euxylophilous										
O2	Mesoxylophilous	X	X	X	X	X					
	Oligoxylophilous									X	X
	Anoxylophilous	X				X					
Temp.	Euthermal										
	Mesothermal				X	X				X	X
	Oligothermal										
	Stenothermal										
	Metathermal										
	Eurythermal	X	X		X						
Turbid.	Eulichotophilous										
	Mesolichotophilous					X			X	X	
	Polylichotophilous	X		X	X						
	Oligolichotophilous										
Current	Limnobiontic		X	X		X	X	X			
	Limnophilous	X									
	Indifferent										
	Rheophilous					X					
	Rheobiontic								X		
General Habitat	Marine										
	Estuary										
	Lake	X		X			X				
	Pond	X				X			X		
	River	X			X						
	Stream	X								X	
	Spring										
	Other										
Specific Habitat	Epibenthic								X		
	Embenthic	X	X	X	X	X			X		
	Epipelagic										
	Episabulic										
	Epilithic										
	Epixyloous										
	Epizoic										
	Epiphytic						X		X		
	Attached	X		X	X	X	X	X	X	X	
Emerg.	Unattached	X		X	X	X	X	X	X	X	
	Winter	X					X	X			
	Spring	X		X			X	X			
	Summer	X		X	X	X	X	X	X		
	Autumn	X		X		X	X				
Feeding Behavior	Predator										
	Herbivore										
	Omnivore										
	Scavenger	X			X						
Geographical Distribution	Region I										
	Region II	X									
	Region III	X									
	Region IV	X				X					
	Region V	X	X			X				X	
	Region VI			X			X				
	Region VII										
	Region VIII										
	Region IX								X		
	Region X										

Taxon: Glyptotendipes meridionalis Dendy & Sublette

	Source	12	11	26	28		Concensus & Notes
Stage	Eggs						
	Larvae	X	X	X	X		
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous						
	Neutral						
	Alkaliphilous				X		
	Alkalibiotic						
	Indifferent	X		X			
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X	X	X	X		
	Euryhalinous						
Nutrient	Eutrophic				X	X	
	Mesotrophic						
	Oligotrophic						
	Dystrophic						
	Saprophilic			X			
	Facultative						
	Saproxenous				X		
	Saprophobic						
O ₂	Euxylophilous						
	Mesoxylophilous	X			X		
	Oligoxylophilous		X	X			
	Anoxylophilous			X			
Temp.	Euthermal						
	Mesothermal			X	X		
	Oligothermal	X					
	Stenothermal						
	Metathermal		X				
	Eurythermal	X		X	X		
Turbidity	Eulichotophilous						
	Mesolichotophilous	X			X	X	
	Polylichotophilous						
	Oligolichotophilous						
Current	Limnophilic	X	X	X	X		
	Limnophilous						
	Indifferent						
	Rheophilous						
	Rheobiotic						
General Habitat	Marine						
	Estuary						
	Lake	X	X				
	Pond			X	X		
	River						
	Stream						
	Spring						
	Other						
Specific Habitat	Epibenthic				X		
	Embranchic	X	X	X			
	Epipelagic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizooic						
	Epiphytic						
	Attached						
	Unattached	X	X	X	X		
Emerg. Behavior	Winter		X				
	Spring	X	X		X		
	Summer	X	X		X		
	Autumn	X	X		X		
	Predator						
	Herbivore						
	Omnivore						
	Scavenger	X					
Geographical Distribution	Region I						
	Region II						
	Region III						
	Region IV				X		
	Region V						
	Region VI	X	X				
	Region VII			X			
	Region VIII						
	Region IX						
	Region X						

	Source	1	9	28								Concensus & Notes
Stage	Eggs											
	Larvae	X	X	X								
	Pupae											
	Adults											
pH	Acidobiontic											
	Acidophilous											
	Neutral											
	Alkaliphilous			X								
	Alkalibiontic											
	Indifferent	X	X									
Salinity	Polyhalobous											
	Euhalobous											
	Mesohalobous											
	Oligohalobous	X	X	X								
	Euryhalinous											
Nutrient	Eutrophic	X		X								
	Nesotrophic	X										
	Oligotrophic											
	Dystrophic	X										
Organic	Saprophilic											
	Facultative	X										
	Saproxyinous			X								
	Saprophobic											
	Euoxyphilous											
	Mesoxyphilous	X		X								
02	Oligoxyphilous											
	Anoxyphilous	X										
Temp.	Euthermal											
	Mesothermal			X								
	Oligothermal											
	Stenothermal											
	Metathermal											
Turbid.	Eurythermal	X	X	X								
	Eulichotophilous											
	Mesolichotophilous			X								
	Polylichotophilous	X										
	Oligolichotophilous											
Current	Limnobiontic		X	X								
	Limnophilous	X										
	Indifferent											
	Rheophilous											
	Rheobiontic											
General Habitat	Marine											
	Estuary											
	Lake	X										
	Fond	X		X								
	River											
	Stream											
	Spring											
	Other											
Specific Habitat	Epibenthic			X								
	Embenthic	X										
	Epipelagic											
	Episabulic											
	Epilithic											
	Epixyloous											
	Epizoic											
	Epiphytic											
	Attached											
Emerg.	Unattached	X		X								
	Winter	X										
	Spring	X		X								
	Summer	X		X								
	Autumn	X		X								
Feeding Behavior	Predator											
	Herbivore											
	Omnivore											
	Scavenger	X										
Geographical Distribution	Region I											
	Region II											
	Region III											
	Region IV	X	X	X								
	Region V											
	Region VI											
	Region VII											
	Region VIII											
	Region IX											
	Region X											

	Source	1	12	14	21	25	26	28		Concensus & Notes
Stage	Eggs									
	Larvae	X	X	X	X	X	X	X		
	Pupae									
	Adults									
pH	Acidobiotic									
	Acidophilous									
	Neutral									
	Alkaliphilous							X		
	Alkalibiotic									
	Indifferent	X	X	X	X	X	X			
Salinity	Polyhalobous									
	Euhalobous									
	Mesohalobous									
	Oligohalobous	X	X	X	X	X	X	X		
	Euryhalinous									
	Eutrophic	X		X	X	X	X	X		
	Mesotrophic									
	Oligotrophic									
	Dystrophic	X								
Organic Nutrient	Saprophilic									
	Facultative	X		X	X					
	Saproxylicous							X		
	Saprophobic									
O ₂	Euoxyphilous									
	Mesoxyphilous	X	X							
	Oligoxyphilous	X			X	X	X			
	Anoxyphilous						X	X		
Temp.	Euthermal									
	Mesothermal	X			X	X	X	X		
	Oligothermal									
	Stenothermal									
	Metathermal							X		
	Eurythermal	X			X	X	X			
Turbid.	Eulichotophilous									
	Nesolichtophilous	X		X		X	X	X		
	Polylichtophilous		X		X					
	Oligolichtophilous									
Current	Limnobiontic		X			X	X	X		
	Limnophilous	X								
	Indifferent			X						
	Rheophilous									
	Rheobiontic									
General Habitat	Marine									
	Estuary									
	Lake	X	X							
	Pond	X			X	X	X	X		
	River	X		X						
	Stream	X		X						
	Spring									
	Other	X								
Specific Habitat	Epibenthic							X		
	Embenthic	X	X	X	X	X	X	X		
	Epinejic									
	Episabulic									
	Epilithic									
	Enixyloous									
	Epizooic									
	Epinhytic									
	Attached									
	Unattached	X	X	X	X	X	X	X		
Emerg.	Winter	X								
	Spring	X								
	Summer	X						X		
	Autumn	X	X					X		
Feeding Behavior	Predator				X					
	Herbivore									
	Omnivore									
	Scavenger	X								
Geographical Distribution	Region I									
	Region II									
	Region III									
	Region IV	X		X				X		
	Region V									
	Region VI		X							
	Region VII					X	X			
	Region VIII									
	Region IX				X					
	Region X									

	Source	1	7		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiotic				
	Acidophilous	X	X		
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent				
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
Organic Nutrient	Eutrophic	X	X		
	Mesotrophic				
	Oligotrophic				
	Dystrophic	X	X		
	Saprophilic				
	Facultative				
	Saproxylicous				
	Saprophobic	X	X		
	Euoxyphilous				
O ₂	Mesoxyphilous	X	X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal				
	Mesothermal	X			
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X	X		
Turbidity	Eulichotophilous	X	X		
	Mesolichotophilous				
	Polylichotophilous				
	Oligolichotophilous				
Current	Limnobiontic				
	Limnophilous	X			
	Indifferent		X		
	Rheophilous				
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X	X		
	Fond	X			
	River				
	Stream	X	X		
	Spring				
	Other	X	X		
Specific Habitat	Epibenthic				
	Emberthic				
	Epipelagic				
	Episabulic				
	Enolithic				
	Enixyloous				
	Epizoic				
	Epiphytic	X	X		
	Attached				
Emerg. Behavior	Unattached	X	X		
	Winter	X	X		
	Spring	X	X		
	Summer	X	X		
	Autumn	X			
Feeding Behavior	Predator		X		
	Herbivore	X			
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

		Source	1	4		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults	.				
PH	Acidobiontic					
	Acidophilous		X			
	Neutral					
	Alkaliphilous					
	Alkalibiotic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Nutrient	Eutrophic	X				
	Mesotrophic					
	Oligotrophic					
	Dystrophic	X				
Oxygen	Saprophilic					
	Facultative					
	Saproxenous	X				
	Saprophobic					
	Euoxyphilous					
O ₂	Mesoxyphilous	X				
	Oligoxyphilous					
	Anoxyp hilous					
	Euthermal					
Temp.	Mesothermal					
	Oligothermal					
Turbid.	Stenothermal		X			
	Metathermal					
	Eurythermal	X				
Current	Eulichotophilous	X				
	Nesolichtophilous					
	Polylichtophilous					
	Oligolichtophilous					
	Limnobiatic					
	Limnophilous	X				
General Habitat	Indifferent		X			
	Rheophilous					
	Rheobiontic					
	Marine					
	Estuary					
	River	X				
	Stream	X	X			
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
Emerg.	Epiphytic	X				
	Attached					
	Unattached	X				
Feeding Behavior	Winter	X				
	Spring	X				
	Summer	X	X			
	Autumn	X				
	Predator					
	Herbivore	X				
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III		X			
	Region IV	X				
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Nesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euoxyphilous		
02	Nesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
	Euthermal		
	Meso-thermal		
	Oligo-thermal		
	Steno-thermal		
	Metathermal		
	Eurythermal	X	
	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond	X	
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Eripelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
	Attached		
	Unattached	X	
	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Harnischia edwardsi* (Kruseman)

			Source	Concensus & Notes
		27	28	
Stage	Eggs			
	Larvae	X X		
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous	X X		
	Alkalibiontic			
	Indifferent			
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X X		
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic			
	Oligotrophic	X		
	Dystrophic			
	Saprophilic			
	Facultative			
	Saproxenous	X		
	Saprophobic			
	Euxyphilous			
O ₂	Mesoxyp hilous	X X		
	Oligoxyp hilous			
	Anoxyphilous			
	Eurythermal			
	Mesothermal	X X		
	Oligothermal			
	Stenothermal			
	Metathermal	X		
	Eurythermal	X		
	Bullichotophilous			
	Nesolichtophilous	X		
	Polylichtophilous			
	Oligolichtophilous			
	Limnobiontic	X		
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic	X		
General Habitat	Marine			
	Estuary			
	Lake			
	Pond	X		
	River			
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic	X		
	Embenitic			
	Emenitic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizooic			
	Epiphytic			
	Attached			
	Unattached	X		
Emerg. Behavior	Winter			
	Spring			
	Summer	X X		
	Autumn			
	Predator			
	Herbivore			
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X		
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX	X		
	Region X			

Taxon: *Harnischia galeator* (Townes)

		Source					Concensus & Notes
			1	12	11	28	
Stage	Eggs						
	Larvae	X	X	X	X		
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous						
	Neutral						
	Alkaliphilous			X			
	Alkalibiotic						
	Indifferent	X	X				
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X		X	X		
	Euryhalinous						
Turbidity	Eutrophic	X			X		
	Mesotrophic			X			
	Oligotrophic						
	Dystrophic	X					
Oxygen	Saprophilic						
	Facultative						
	Saproxylicous	X			X		
	Saprophobic						
	Euxylophilous						
	Mesoxylophilous	X	X	X			
	Oligoxylophilous			X			
	Anoxylophilous						
Temp.	Euthermal						
	Mesothermal	X			X		
	Oligothermal			X			
	Stenothermal						
	Metathermal						
	Eurythermal			X			
Turbidity	Eulichthophilous						
	Mesolichthophilous	X			X		
	Polylichthophilous		X				
	Oligolichthophilous						
Current	Limnobiontic			X	X	X	
	Limnophilous	X					
	Indifferent						
	Rheophilous						
General Habitat	Rheobiontic						
	Marine						
	Estuary						
	Lake	X	X	X			
	Pond	X			X		
	River						
	Stream	X					
	Spring						
	Other						
Specific Habitat	Epibenthic	X			X		
	Embenthic						
	Epipelagic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizoic						
	Epiphytic		X	X			
Emerg.	Attached						
	Unattached	X	X	X	X		
	Winter	X					
	Spring	X			X		
	Summer	X	X	X			
	Autumn	X	X				
Feeding Behavior	Predator						
	Herbivore						
	Omnivore						
	Scavenger	X					
Geographical Distribution	Region I						
	Region II						
	Region III						
	Region IV	X			X		
	Region V						
	Region VI			X	X		
	Region VII						
	Region VIII						
	Region IX						
	Region X						

Taxon: Harnischia viridulus (Linnaeus)

		Source	11	28		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous	X				
	Alkalibiontic					
	Indifferent					
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Organic Nutrient	Eutrophic		X			
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxyloous	X				
	Saprophobic					
	Euxyphilous					
O ₂	Mesoxypophilous					
	Oligoxyphilous	X	X			
	Anoxyphilous					
Temp.	Eurothermal					
	Mesothermal		X			
	Oligothermal	X				
	Stenothermal					
	Metothermal	X	X			
	Eurythermal					
Turbid.	Eulichotophilous					
	Mesolichotophilous	X				
	Polylichotophilous					
	Oligolichotophilous					
Current	Limmobiontic	X	X			
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake	X				
	Pond		X			
	River					
	Stream					
	Spring					
	Other					
Specific Habitat	Epibenthic		X			
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic	X				
Emerg.	Attached		X	X		
	Unattached		X	X		
	Winter					
	Spring	X				
	Summer	X	X			
	Autumn	X				
Feeding Behavior	Predator					
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV		X			
	Region V	X				
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Heterotrissocladius Sparck

		Source		Concensus & Notes
Stage	Eggs	1		
	Larvae	X		
	Pupae			
	Adults			
pH	Acidobiotic			
	Acidophilous	X		
	Neutral			
Salinity	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
	Eutrophic			
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxylic			
	Saprophobic	X		
	Euxyphilous			
O ₂	Mesoxyp hilous	X		
	Oligoxyp hilous			
	Anoxyp hilous			
Temp.	Euthermal			
	Mesothermal			
	Oligothermal			
	Stenothermal			
	Metathermal			
Turbid.	Eurythermal	X		
	Eulichotophilous			
	Mesolichotophilous	X		
	Polylichotophilous			
	Oligolichotophilous			
Current	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic	X		
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River	X		
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous	X		
	Epizooic			
	Epiphytic			
	Attached			
	Unattached	X		
Emerg.	Winter	X		
	Spring	X		
	Summer	X		
	Autumn			
Feeding Behavior	Predator			
	Herbivore	X		
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III	X		
	Region IV			
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: Kiefferulus dux (Johannsen)

	Source	1	9	14	11	8		Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X		
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous	X						
	Neutral							
	Alkaliphilous	X				X		
	Alkalibiotic							
	Indifferent			X				
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X		
	Euryhalinous							
	Eutrophic	X		X				
	Mesotrophic				X	X		
	Oligotrophic							
	Dystrophic	X						
	Saprophilic							
	Facultative	X		X				
	Saproxenous					X		
	Saprophobic							
C ₂	Anoxophilous							
	Mesoxophilous	X	X	X		X		
	Oligoxophilous	X		X				
	Anoxypophilous							
Temp.	Euthermal							
	Mesothermal					X		
	Oligothermal				X			
	Stenothermal							
	Metathermal				X			
	Eurythermal	X	X			X		
Turbid.	Eulichotophilous							
	Nesolichotophilous	X		X		X		
	Polylichotophilous							
	Oligolichotophilous							
Current	Limnobiontic	X			X			
	Limnophilous							
	Indifferent		X					
	Rheophilous			X				
	Rheobiontic				X			
General Habitat	Narine							
	Estuary							
	Lake	X						
	Fond	X			X			
	River							
	Stream	X	X		X			
	Spring							
	Other							
Specific Habitat	Epibenthic							
	Embenthic	X	X	X	X			
	Enipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Epiphytic							
	Attached							
	Unattached	X		X	X	X		
Emerg.	Winter	X						
	Spring	X						
	Summer	X			X			
	Autumn							
Feeding Behavior	Predator							
	Herbivore							
	Omnivore							
	Scavenger	X						
Geographical Distribution	Region I							
	Region II							
	Region III							
	Region IV	X		X				
	Region V		X					
	Region VI				X			
	Region VII							
	Region VIII							
	Region IX							
	Region X							

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous	X	
Neutral		
Alkaliphilous		
Alkalibiontic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic	X	
Oligotrophic		
Dystrophic	X	
Saprophilic		
Facultative		
Saproxylicous		
Saprophobic	X	
Euxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Eulichotophilous	X	
Mesolichtophilous		
Polylichtophilous		
Oligolichtophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic	X	
Attached		
Unattached	X	
Winter		
Spring		
Summer	X	
Autumn	X	
Predator		
Herbivore	X	
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: *Labrundinia becki* Roback

		Source	Concensus & Notes
Stage	Eggs	7	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Current Salinity	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euoxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Eurythermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous	X	
	Mesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epelic		
	Episbulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Feeding Behavior	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		
Geographical Distribution			

Taxon: Labrundinia floridana Beck & Beck

		Source		Concensus & Notes	
		1	7		
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults	-			
pH	Acidobiontic				
	Acidophilous		X		
	Neutral				
	Alkaliphilous				
	Alkalibiontic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic	X	X		
	Mesotrophic				
	Oligotrophic				
	Dystrophic	X	X		
Organic nutrient	Saprophytic				
	Facultative				
	Saproxyinous	X			
	Saprophobic		X		
	Euxyphilous				
O ₂	Mesoxypophilous	X	X		
	Oligoxypophilous				
	Anoxyphilous				
	Euthermal				
Temp.	Mesothermal		X		
	Oligothermal				
	Stenothermal				
	Metathermal				
Turbid.	Eurythermal	X	X		
	Pelichotophilous		X		
	Mesolichtophilous	X			
	Polylichtophilous				
	Oligolichtophilous				
	Limnobiontic				
Current	Limnophilous				
	Indifferent	X			
	Rheophilous		X		
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X			
	Pond		X		
	River	X			
	Stream	X	X		
	Spring				
	Other				
Specific Habitat	Epibenthic				
	Embenthic				
	Epipelic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic	X	X		
	Attached				
	Unattached		X		
Emerg.	Winter	X	X		
	Spring	X	X		
	Summer	X	X		
	Autumn	X	X		
Feeding Behavior	Predator				
	Herbivore		X		
	Omnivore	X			
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III	X			
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

			Source	Concensus & Notes
			1	7
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
Bil.	Acidobiontic			
	Acidophilous		X	
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent	X		
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X	X	
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X	X	
Organic Nutrient	Saprophilic			
	Facultative			
	Saproxenous	X		
	Saprophobic		X	
	Euxyphilous			
	Mesoxyphilous	X	X	
	Oligoxyphilous			
	Anoxyphilous			
	Euthermal			
	Mesothermal			
Temp.	Oligothermal		X	
	Stenothermal			
	Metathermal		X	
	Eurythermal	X		
Turbid.	Eulichotophilous		X	
	Nesolichtophilous	X		
	Polylichotophilous			
	Oligolichtophilous			
Current	Limnobiontic		X	
	Limnophilous			
	Indifferent	X		
	Rheophilous			
	Rheobiontic			
General Habitat	Narine			
	Estuary			
	Lake	X		
	Pond		X	
	River			
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Eubenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic	X	X	
Emer.	Attached			
	Unattached		X	
	Winter	X	X	
	Spring	X		
	Summer	X		
	Autumn	X		
Feeding Behavior	Predator			
	Herbivore	X	X	
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X	X	
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: Labrundinia neopilosella Beck & Beck

	Source	14	7		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiotic				
	Acidophilous		X		
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic		X		
	Mesotrophic				
	Oligotrophic				
	Dystrophic	X			
Organic Nutrient	Saprophilic				
	Facultative				
	Saproxylicous				
	Saprophobic	X	X		
C	Euxyphilous				
	Mesoxyphilous	X	X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal				
	Mesothermal		X		
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal		X		
Turbidity	Eulichotophilous				
	Mesolichotophilous	X	X		
	Polylichotophilous				
	Oligolichotophilous				
Current	Limobiontic				
	Limnophilous		X		
	Indifferent				
	Rheophilous				
	Rheobiontic	X			
General Habitat	Marine				
	Estuary				
	Lake				
	Fond		X		
	River	X			
	Stream				
	Spring				
	Other		X		
Specific Habitat	Epibenthic				
	Embenthic				
	Epipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic	X	X		
	Attached				
	Unattached	X	X		
Feeding Behavior	Winter		X		
	Spring		X		
	Summer		X		
	Autumn				
	Predator				
	Herbivore		X		
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: Labrundinia pilosella (Loew)

	Source	12	13	28	Concensus & Notes
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
Salinity	Acidobiotic				
	Acidophilous				
	Neutral				
	Alkaliphilous		X		
	Alkalibiotic				
	Indifferent	X			
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
	Eutrophic		X	X	
	Mesotrophic	X			
	Oligotrophic				
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxylicous		X		
	Saprophobic				
	Buxyphilous				
	Mesoxvphilous	X	X	X	
	Oligoxvphilous				
	Anoxvphilous				
	Euthermal				
	Mesothermal		X		
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X	X		
	Eulichotophilous				
	Nesolichotophilous	X		X	
	Polylichotophilous		X		
	Oligolichotophilous				
	Limnobiontic	X		X	
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic		X		
General Habitat	Marine				
	Estuary				
	Lake	X			
	Pond			X	
	River		X		
	Stream				
	Spring				
	Other				
Specific Habitat	Enibenthic		X		
	Embenthic				
	Epipelic				
	Enisabulic				
	Enilithic				
	Epixyloous				
	Enizooic				
	Epiphytic	X			
	Attached				
	Unattached	X	X		
Emerg. Ears.	Winter				
	Spring	X			
	Summer	X		X	
	Autumn	X			
Feeding Behavior	Predator				
	Herbivore	X			
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV		X		
	Region V		X		
	Region VI	X			
	Region VII				
	Region VIII				
	Region IX				
	Region X				

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxypilous	X	
	Oligoxypilous		
	Anoxypilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Emberthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached		
Emerg.	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Larsia decolorata (Malloch)

		Source	Concensus & Notes
		11	6
Stage	Eggs		
	Larvae	X X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic	X X	
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyphileus	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General	Marine		
Habitat	Estuary		
	Lake	X	
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific	Epibenthic	X X	
Habitat	Embenthic		
	Enipelagic		
	Episabulic		
	Epilithic		
	Epixyleus		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X X	
Emerg.	Winter		
	Spring	X	
	Summer	X X	
	Autumn	X	
Feeding	Predator	X	
Behavior	Herbivore		
	Omnivore		
	Scavenger		
Geographical	Region I		
Distribution	Region II		
	Region-III		
	Region IV		
	Region V	X	
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Lauterborniella agrayloides (Kieffer)

		Source	Concensus & Notes						
Stage	Eggs								
	Larvae	X							
	Pupae								
	Adults								
pH	Acidobiontic								
	Acidophilous								
	Neutral								
	Alkaliphilous	X							
	Alkalibiotic								
	Indifferent								
Salinity	Polyhalobous								
	Euhalobous								
	Mesohalobous								
	Oligohalobous	X							
	Euryhalinous								
Nutrient	Eutrophic								
	Mesotrophic								
	Oligotrophic	X							
	Dystrophic								
Organic	Saprophilic								
	Facultative								
	Saproxylicous								
	Saprophobic	X							
O ₂	Euoxyphilous								
	Mesoxyphilous	X							
	Oligoxyphilous								
	Anoxyphilous								
Temp.	Euthermal								
	Mesothermal	X							
	Oligothermal								
	Stenothermal								
	Metathermal	X							
	Eurythermal								
Turbid.	Eulichotophilous								
	Mesolichotophilous								
	Polylichotophilous								
	Oligolichotophilous								
	Limnobiontic								
	Limnophilous								
Current	Indifferent								
	Rheophilous								
	Rheobiontic	X							
General	Marine								
Habitat	Estuary								
	Lake								
	Pond								
	River								
	Stream	X							
	Spring								
	Other								
Specific	Eubenthic								
Habitat	Embenthic								
	Epipelagic								
	Episabulic								
	Epilithic								
	Epixyloous								
	Epizoic								
	Epiphytic								
	Attached								
	Unattached								
Emerg.	Winter								
	Spring								
	Summer	X							
	Autumn								
Feeding	Predator								
Behavior	Herbivore								
	Omnivore								
	Scavenger								
Geographical	Region I								
Distribution	Region II								
	Region III								
	Region IV								
	Region V								
	Region VI								
	Region VII								
	Region VIII								
	Region IX	X							
	Region X								

Taxon: Lauterborniella varipennis (Coquillett)

		Source	1	4	9	12	28		Concensus & Notes
Stage	Eggs								
	Larvae	X	X	X	X	X			
	Pupae								
	Adults								
Dil.	Acidobiontic								
	Acidophilous	X	X						
	Neutral								
	Alkaliphilous					X			
	Alkalibiotic								
	Indifferent			X	X				
Salinity	Polyhalobous								
	Euhalobous								
	Mesohalobous								
	Oligohalobous	X	X	X	X	X			
	Euryhalinous								
	Eutrophic					X			
Nutrient	Mesotrophic	X							
	Oligotrophic								
	Dystrophic	X							
Organic	Saprophytic								
	Facultative								
	Saproxylicous	X				X			
	Saprophobic								
	Euxyphilous								
O ₂	Mesoxyp hilous	X			X	X			
	Oligoxyp hilous								
	Anoxyphilous								
Temp.	Euther mal								
	Meso thermal				X	X			
	Oligother mal								
	Stenothermal								
	Metather mal		X						
Turbid.	Eurythermal	X		X		X			
	Eulichotophilous								
	Nesolichtophilous	X				X			
	Polylichotophilous					X			
	Oligolichtotophilous								
	Limnobiontic			X	X	X	X		
Current	Limnophilous	X							
	Indifferent								
	Rheophilous								
	Rheobiontic								
General Habitat	Marine								
	Estuary								
	Lake	X			X				
	Pond	X	X			X			
	River								
	Stream	X							
	Spring								
	Other								
Specific Habitat	Epibenthic				X				
	Embenthic								
	Epineitic								
	Episabulic								
	Epilithic								
	Epixyloous								
	Enzooic								
	Epiphytic	X		X					
Emerg. Behavior	Attached	X		X					
	Unattached				X				
	Winter	X							
	Spring	X							
	Summer	X	X	X	X	X			
	Autumn	X							
Feeding Behavior	Predator								
	Herbivore								
	Omnivore	X							
	Scavenger								
Geographical Distribution	Region I								
	Region II								
	Region III		X						
	Region IV	X			X				
	Region V								
	Region VI				X				
	Region VII								
	Region VIII								
	Region IX								
	Region X								

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
H	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River	X	
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
Dystrophic			
Saprophytic			
Organic	Facultative		
	Saproxylicous		
	Saprophobic	X	
	Euxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous	X	
	Oligolichotophilous		
Current	Limnobiotic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
Specific Habitat	Other		
	Epibenthic		
	Embenthic		
	Epipelagic		
	Enisabulic		
	Epilithic	X	
	Epixyloous		
	Epizoic		
	Epiphytic		
Emerg.	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring	X	
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII	X	
	Region VIII		
	Region IX		
	Region X		

Taxon: *Macropelopia decedens* (Walker)

		Source								Concensus & Notes
		3	1							
Stage	Eggs									
	Larvae	X	X							
	Pupae									
	Adults									
pH	Acidobiotic	X								
	Acidophilous		X							
	Neutral									
	Alkaliphilous									
	Alkalibiotic									
	Indifferent									
	Polyhalobous									
	Euhalobous									
	Mesohalobous									
	Oligohalobous	X	X							
	Euryhalinous									
	Eutrophic									
	Nesotrophic		X							
	Oligotrophic	X								
	Dystrophic									
	Saprophilic									
	Facultative									
	Saproxylicous									
	Saprophobic	X	X							
	Euoxyp hilous									
	Mesoxyp hilous	X	X							
	Oligoxyp hilous									
	Anoxyphilous									
	Euthermal									
	Mesothermal		X							
	Oligothermal									
	Stenothermal	X								
	Metathermal									
	Eurythermal		X							
	Eulichotophilous	X	X							
	Mesolichtophilous									
	Polylichotophilous									
	Oligolichtophilous									
	Limnobiontic									
	Limnophilous									
	Indifferent									
	Rheophilous	X								
	Rheobiontic		X							
	Marine									
	Estuary									
	Lake									
	Fond									
	River									
	Stream		X							
	Spring	X								
	Other									
General Habitat	Epibenthic	X	X							
	Embenthic									
	Epipelagic									
	Enisabulic									
	Enolithic									
	Epixyloous									
	Epizoic									
	Epiphytic									
	Attached									
Specific Habitat	Unattached	X	X							
	Winter		X							
	Spring		X							
	Summer	X	X							
	Autumn	X	X							
	Predator	X	X							
Feeding Behavior	Herbivore									
	Omnivore		X							
	Scavenger									
Geographical Distribution	Region I	X								
	Region II									
	Region III									
	Region IV			X						
	Region V									
	Region VI									
	Region VII									
	Region VIII				X					
	Region IX									
	Region X									

TAXON: *Macropelopia hirtipennis* (Loew)

		Source	Concensus & Notes
Stage	Eggs	6	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
Nutrient	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic		
	Euoxophilous		
O ₂	Mesoxyphilous	X	
	Olioxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
Turbid.	Eurythermal	X	
	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Season	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator	X	
	Herbivore		
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV		
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic	X	
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotrophic		
	Mesolichotrophic		
	Polylichotrophic		
	Oligolichotrophic		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other	X	Inhabits water in the axils of <i>Tillandsia utriculata</i> .
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring	X	
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Metriocnemus hamatus Johannsen

		Source	Concensus & Notes
Stage	Eggs	3	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
Euryhalinous			
Eutrophic			
Mesotrophic			
Oligotrophic	X		
Dystrophic			
Saprophilic			
Facultative			
Saproxenous			
Saprophobic	X		
Oxygen	Euoxiphilous		
	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal	X	
	Metathermal		
	Eurythermal		
Turbidity	Eulichotophilous	X	
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiotic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring	X	
	Other		
Specific Habitat	Epibenthic		
	Emberthic		
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer		
	Autumn	X	
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I	X	
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic	X	
	Facultative		
	Saproxylicous		
	Saprophobic		
O ₂	Euxylophilous		
	Mesoxylophilous		
	Oligoxylophilous	X	
	Anoxylophilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbidity	Eulichotophilous		
	Mesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Fond		
	River		
	Stream		
	Spring		
	Other	X	Inhabits water in the pitchers of <u>Sarracenia purpurea</u> .
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Energ.	Winter		
	Spring		
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Micropsectra Kieffer

Stage	Source				Concensus & Notes
		1	6	2	
Eggs					
Larvae	X X X				
Pupae					
Adults					
Acidobiontic					
Acidophilous	X				
Neutral					
Alkaliphilous					
Alkalibiontic					
Indifferent	X X				
Polyhalobous					
Euhalobous					
Mesohalobous					
Oligohalobous	X X X				
Euryhalinous					
Eutrophic	X				
Mesotrophic	X X X				
Oligotrophic					
Dystrophic	X				
Saprophilic					
Facultative					
Saproxenous					
Saprophobic	X				
Euoxyphilous					
Mesoxypphilous	X X X				
Oligoxynphilous					
Anoxypphilous					
Euthermal					
Mesothermal					
Oligothermal					
Stenothermal					
Netothermal		X X			
Eurythermal	X				
Eulichotophilous					
Nesolichotophilous	X				
Polylichotophilous		X			
Oligolichotophilous					
Limnobiontic					
Limnophilous					
Indifferent					
Rheophilous					
Rheobiontic	X X X				
Marine					
Estuary					
Lake					
Pond					
River	X				
Stream		X X X			
Spring					
Other					
Epibenthic	X X				
Embenthic					
Epipelagic					
Episabulic					
Epilithic					
Epixyloous					
Epizoocic					
Epiphytic		X			
Attached					
Unattached	X X				
Winter	X				
Spring	X X				
Summer	X X				
Autumn	X				
Predator					
Herbivore					
Omnivore					
Scavenger	X				
Region I					
Region II					
Region III	X				
Region IV	X X				
Region V		X			
Region VI					
Region VII	X				
Region VIII					
Region IX					
Region X					

Taxon: Micropsectra dives (Johannsen)

		Source		Concensus & Notes
		3	6	
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous	X		
	Neutral			
	Alkaliphilous			
	Alkalibiontic			
	Indifferent	X		
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalindus			
Organic Nutrient	Eutrophic			
	Mesotrophic		X	
	Oligotrophic	X		
	Dystrophic			
	Saprophilic			
	Facultative			
	Saproxylicous			
	Saprophobic			
	Euxyphilous			
O ₂	Mesoxypophilous	X	X	
	Oligoxypophilous			
	Anoxypophilous			
Temp.	Euthermal			
	Mesothermal			
	Oligothermal			
	Stenothermal	X		
Turbid.	Metathermal			
	Eurythermal		X	
	Eulichotophilous	X		
	Mesolichotophilous			
	Polylichotophilous			
	Oligolichotophilous			
Current	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous	X	X	
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River			
	Stream			
	Spring		X	
	Other			
Specific Habitat	Epibenthic	X	X	
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic			
	Attached			
	Unattached	X	X	
Emerg.	Winter			
	Spring			
	Summer	X	X	
	Autumn	X		
Feeding Behavior	Predator			
	Herbivore			
	Omnivore			
	Scavenger			
Geographical Distribution	Region I	X		
	Region II			
	Region III			
	Region IV			
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
	Acidobiontic		
pH	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
Salinity	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
Organic Nutrient	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
O ₂	Saproxyenous	X	
	Saprophobic		
	Euoxyphilous		
Temp.	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Turbid.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Current	Eulichotophilous		
Turbid.	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
General Habitat	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
	Winter		
	Spring	X	
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Micropsectra nigripila* (Johannsen)

	Source	11	22	25	26	8	10	Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous					X		
	Neutral		X					
	Alkaliphilous					X		
	Alkalibiotic							
	Indifferent			X	X			
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
Nutrient	Eutrophic			X	X	X		
	Mesotrophic	X				X	X	
	Oligotrophic							
Dystrophic	Saprophilic			X	X			
	Facultative							
	Saproxylicous	X						
	Saprophobic					X	X	
O ₂	Euxyphilous							
	Mesoxyphilous						X	X
	Oligoxyphilous	X	X	X	X			
	Anoxypilous			X	X			
Temp.	Euthermal							
	Mesothermal		X	X				
	Stenothermal							
	Metathermal							
	Eurythermal			X	X	X	X	
Turbid.	Eulichotophilous							
	Mesolichotophilous		X	X	X	X	X	
	Polylichotophilous							
	Oligolichotophilous							
Current	Limnobiontic	X	X	X	X			
	Limnophilous							
	Indifferent							
	Rheophilous							
	Rheobiontic					X	X	
General Habitat	Marine							
	Estuary							
	Lake	X	X					
	Pond			X	X			
	River							
	Stream				X	X		
	Spring							
	Other							
Specific Habitat	Epibenthic							
	Embellitic							
	Epipelitic	X	X	X	X	X	X	
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Epiphytic							
	Attached							
Emerg.	Unattached	X	X	X	X	X	X	
	Winter						X	
	Spring							
	Summer				X			
	Autumn	X						
Feeding Behavior	Predator							
	Herbivore							
	Omnivore							
	Scavenger							
Geographical Distribution	Region I							
	Region II							
	Region III							
	Region IV							
	Region V					X	X	
	Region VI	X						
	Region VII			X	X			
	Region VIII							
	Region IX		X					
	Region X							

Taxon: Micropsectra polita (Malloch)

		Source	Concensus & Notes
	Eggs	27	
Stage	Larvae	X	
	Pupae		
	Adults		
Habitat	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euxoxphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbidity	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter		
	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: *Microtendipes pedellus* (De Geer)

	Source				Concensus & Notes
		14	8	10	
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous		X	X	
	Alkalibiotic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
	Eutrophic	X			
	Mesotrophic		X	X	
	Oligotrophic				
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxyloous		X		
	Saprophobic	X		X	
	Euoxyphilous				
O ₂	Mesoxyphilous	X	X	X	
	Oligoxyphilous				
	Anoxyphilous				
	Euthermal				
Temp.	Mesothermal	X	X		
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal		X	X	
Turbid.	Eulichotophilous				
	Nesolichtophilous	X	X	X	
	Polylichtophilous				
	Oligolichtophilous				
	Limbobiontic				
Current	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic	X	X	X	
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River				
	Stream	X	X	X	
	Spring				
	Other				
Specific Habitat	Epibenthic	X	X	X	
	Embenthic				
	Epipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
	Unattached	X	X	X	
Feeding Behavior	Winter			X	
	Spring				
	Summer				
	Autumn				
	Predator				
	Herbivore				
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X			
	Region V		X	X	
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

		Source		Concensus & Notes
Stage	Eggs	7	1	
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral	X	X	
	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X	X	
	Mesotrophic			
	Oligotrophic			
	Dystrophic	X	X	
	Saprophilic			
	Facultative			
	Saproxylicous			
	Saprophobic	X	X	
	Euxoxphilous			
	Mesoxyphilous	X	X	
	Oligoxyphilous			
	Anoxyphilous			
	Euthermal			
	Mesothermal	X	X	
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X	X	
	Eulichotophilous	X	X	
	Nesolichotophilous			
	Polylichotophilous			
	Oligolichotophilous			
	Limnobiontic	X	X	
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake			
	Pond	X	X	
	River			
	Stream			
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic	X	X	
	Attached			
	Unattached	X	X	
	Winter	X	X	
	Spring	X	X	
	Summer	X	X	
	Autumn			
Feeding Behavior	Predator			
	Herbivore	X	X	
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X	X	
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

		Source	Concensus & Notes
Stage	Eggs	1	7
	Larvae	X X	
	Pupae		
	Adults	-	
pH	Acidobiontic	X X	
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X X	
	Euryhalinous		
	Eutrophic	X X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X X	
	Saprophytic	X	
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxylophilous		
O ₂	Mesoxypophilous	X	
	Oligoxypophilous	X	
	Anoxypophilous	X	
	Eothermal	-	
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
	Bulichotophilous		
	Mesolichtotophilous		
	Polylichtotophilous		
Turbid.	Oligolichtotophilous	X X	
	Limnobiontic	X X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
Current	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
General Habitat	Other	X X	
	Epibenthic	X	
	Embenthic		
	Epipelic		
	Episabulic		
Specific Habitat	Epilithic		
	Epixyloous	X	
	Epizoic		
	Epiphytic		
	Attached		
	(Unattached)	X	
Emerg.	Winter		
Feeding Behavior	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Nanocladius alternantherae* Dendy & Sublette

		Source	12	28		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Organic Current	Eutrophic		X			
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxylicous		X			
	Saprophobic					
	Euxylophilous					
O ₂	Mesoxylophilous	X	X			
	Oligoxylophilous					
	Anoxylophilous					
Temp.	Euthermal					
	Mesothermal	X				
	Oligothermal					
	Stenothermal					
	Metathermal					
	Eurythermal					
Turbidity	Eulichotophilous					
	Nesolichotophilous	X	X			
	Polylichotophilous					
	Oligolichotophilous					
Current	Limnobiatic	X	X			
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake					
	Pond		X			
	River					
	Stream					
	Spring					
	Other					
Specific Habitat	Epibenthic	X	X			
	Embenthic					
	Epinelic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic		X			
	Attached					
	Unattached	X	X			
Emerg. Behavior	Winter	X				
	Spring	X				
	Summer	X	X			
	Autumn	X				
Feeding Behavior	Predator					
	Herbivore	X				
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV		X			
	Region V					
	Region VI		X			
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Natarsia fastuosa (Johannsen)

		Source	Concensus & Notes
Stage	Eggs	30	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
Organic Nutrient	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic	X	
	Euxylophilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbidity	Eulichotophilous		
	Mesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
Current	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring		
	Summer		
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
NH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
NH	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euxyphilous		
0.2	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
	Eulichotophilous		
Turbid.	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic		
Current	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary	X	
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring		
	Summer		
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

	Source	1	17	7		Concensus & Notes
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
pH	Acidobiotic					
	Acidophilous			X		
	Neutral					
	Alkaliphilous					
	Alkalibiotic					
	Indifferent	X	X			
Organic Nutrient Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
	Eutrophic			X		
	Mesotrophic	X	X			
	Oligotrophic					
	Dystrophic	X	X	X		
	Saprophilic					
	Facultative					
0.2	Saproxenous	X				
	Saprophobic		X	X		
	Euxyphilous					
	Mesoxyphilous	X	X	X		
	Oligoxyphilous					
	Anoxyphilous					
Temp.	Euthermal					
	Mesothermal		X	X		
	Oligothermal					
	Stenothermal					
	Metathermal			X		
	Eurythermal	X	X			
Turbidity	Eulichotophilous			X		
	Nesolichotophilous	X				
	Polylichotophilous		X			
	Oligolichotophilous					
Current	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic	X	X	X		
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River	X	X			
	Stream	X		X		
	Spring					
	Other					
Specific Habitat	Epibenthic		X			
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
Emerg. Behavior	Epiphytic	X	X	X		
	Attached					
	Unattached	X	X	X		
	Winter	X		X		
	Spring	X		X		
	Summer	X	X			
	Autumn	X				
Feeding Behavior	Predator					
	Herbivore			X		
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III		X			
	Region IV	X	X	X		
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euoxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbidity	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
Current	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream	X	
	Spring		
	Other	X	Artificial substrates.
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Enixyloous		
	Epizoic		
	Epiphytic		
	Attached	X	
	Unattached		
Feeding Behavior	Winter		
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Odontomesa fulva (Kieffer)

		Source	1	4		Concensus & Notes
Stage	Eggs					
	Larvae		X	X		
	Pupae					
	Adults					
PH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent		X			
Organic Nutrient Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous		X	X		
	Euryhalinous					
	Eutrophic					
	Mesotrophic		X			
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxyloous					
	Saprophobic		X			
	Euoxyphilous		X			
	Mesoxyphilous					
	Oligoxyphilous					
	Anoxyphilous					
	Euthermal					
Temp.	Mesothermal					
	Oligothermal					
	Stenothermal		X			
	Metathermal		X			
	Eurythermal					
Turbid.	Eulichotophilous					
	Nesolichotophilous		X			
	Polylichotophilous					
	Oligolichotophilous					
	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous					
Current	Rheobiontic		X	X		
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River		X			
	Stream		X	X		
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic		X			
	Epixyloous					
	Epizoic					
	Epiphytic					
	Attached					
	Unattached					
	Winter					
	Spring		X			
	Summer		X	X		
	Autumn					
Feeding Behavior	Predator					
	Herbivore		X			
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III		X			
	Region IV		X			
	Region V					
	Region VI					
	Region VII					
	Region VIII		X			
	Region IX					
	Region X					

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
PH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
O ₂	Saprophilic		
	Facultative		
	Saproxylic		
	Saproxenous		
	Saprophobic	X	
	Euoxypphilous		
	Mesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
Turbid.	Eurythermal	X	
	Eulichotophilous		
	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
Feeding Behavior	Attached		
Emerg.	Unattached	X	
	Winter	X	
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore	X	
Geographical Distribution	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes	
State	Eggs	1		
	Larvae	X		
	Pupae			
	Adults			
PH	Acidobiontic			
	Acidophilous	X		
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
Organic current: Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxylic	X		
	Saprophobic			
	Euxyphilous			
O2	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
Tend.	Euthermal			
	Mesothermal			
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X		
Turbid.	Eulichotophilous	X		
	Mesolichotophilous			
	Polylichotophilous			
	Oligolichotophilous			
	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous			
Current:	Rheobiontic	X		
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River	X		
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Embenthic			
	Epinelic			
	Episabulic			
	Epilithic			
	Epixyloic			
	Epizoic			
	Epiphytic	X		
	Attached			
	Unattached	X		
Feeding Behavior	Winter	X		
	Spring	X		
	Summer	X		
	Autumn	X		
	Predator			
	Herbivore	X		
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III			
	Region IV	X		
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: *Orthocladius obumbratus* Johannsen

	Source	3	10		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults	.			
pH	Acidobiontic				
	Acidophilous	X			
	Neutral				
	Alkaliphilous		X		
	Alkalibiontic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic				
	Mesotrophic		X		
	Oligotrophic	X			
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxyloous				
	Saprophobic	X	X		
O ₂	Euoxyphilous				
	Mesoxyp hilous	X	X		
	Oligoxyp hilous				
	Anoxyp hilous				
	Euthermal				
	Mesothermal		X		
	Oligothermal				
	Stenothermal	X			
	Metathermal				
	Eurythermal				
Turbid.	Eulichotophilous	X			
	Nesolichtophilous		X		
	Polylichtophilous				
	Oligolichtophilous				
	Limnobiontic				
	Limnophilous				
	Indifferent				
	Rheophilous	X			
	Rheobiontic		X		
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River				
	Stream		X		
	Spring	X			
	Other				
Specific Habitat	Epibenthic	X			
	Embenthic				
	Enipelagic				
	Episabulic				
	Epilithic		X		
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
	Unattached	X	X		
Emerg.	Winter		X		
	Spring				
	Summer				
	Autumn	X	X		
Feeding Behavior	Predator				
	Herbivore	X			
	Omnivore				
	Scavenger				
Geographical Distribution	Region I	X			
	Region II				
	Region III				
	Region IV				
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euoxypophilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
Temp.	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiotic		
	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
specific Habitat	Epibenthic	X	
	Embenthic		
	Epinelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II	X	
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
	Eggs	1	
Stage	Larvae	X	
	Pupae		
	Adults		
	Acidobiotic	X	
pH	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
Salinity	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
Organic Nutrient	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
Q ₂	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
	Mesoxvphilous	X	
	Oligoxvphilous		
Temp.	Anoxvphilous		
	Euthermal		
Turbid.	Neso thermal		
	Oligothermal		
	Steno thermal		
	Metathermal	X	
	Eurythermal		
	Eulichotophilous		
Current	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other	X	Sphagnum bogs.
Specific Habitat	Epibenthic		
	Embenthic		
	Enipelagic		
	Enisabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
Emerg.	Unattached	X	
	Winter	X	
	Spring	X	
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Parachironomus carinatus (Townes)

		Source	1	12	28		Concensus & Notes
Stage	Eggs						
	Larvae	X	X	X			
	Pupae						
	Adults						
PH	Acidobiontic						
	Acidophilous						
	Neutral						
	Alkaliphilous			X			
	Alkalibiotic						
	Indifferent	X	X				
Salinity	Polyhalobous						
	Euhalobous						
	Mesohalobous						
	Oligohalobous	X	X	X			
	Euryhalinous						
	Eutrophic	X		X			
	Mesotrophic						
	Oligotrophic						
	Dystrophic	X					
	Saprophilic						
	Facultative						
Organics	Saproxylicous	X		X			
	Saprophobic						
	Euxyphilous						
	Mesoxypylous	X	X	X			
	Oligoxypylous						
	Anoxyphilous						
	Euthermal						
	Mesothermal		X	X			
	Oligothermal						
Temp.	Stenothermal						
	Metathermal	X					
	Eurythermal						
	Eulichotophilous						
Turbid.	Nesolichtophilous	X		X			
	Polylichotophilous		X				
	Oligolichtophilous						
	Limnobiontic		X	X			
	Limnophilous						
	Indifferent	X					
	Rheophilous						
	Rheobiotic						
Current	Marine						
	Estuary						
	Lake	X	X				
	Pond			X			
	River	X					
	Stream	X					
	Spring						
	Other						
General Habitat	Epibenthic			X			
	Embenthic						
	Epipelagic						
	Episabulic						
	Epilithic						
	Epixyloous						
	Epizoic						
	Epiphytic	X	X				
	Attached						
	Unattached	X	X	X			
Specific Habitat	Winter						
	Spring	X		X			
	Summer	X	X				
	Autumn	X	X	X			
	Predator						
	Herbivore						
	Omnivore	X					
	Scavenger						
Feeding Behavior	Region I						
	Region II						
	Region III						
	Region IV	X		X			
	Region V						
	Region VI						
	Region VII						
	Region VIII						
	Region IX						
	Region X						
Geographical Distribution							

		Source	Concensus & Notes
Stage	Eggs	28	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euoxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
	Marine		
	Estuary		
	Lake		
General Habitat	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
Feeding Behavior	Winter	.	
	Spring	X	
	Summer	X	
	Autumn	X	
Geographical Distribution	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Nutrient	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Oxygen	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saproxylic	X	
	Euoxyp hilous	X	
	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal		
Turrid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Epigabulic	X	
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator	X	
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I	X	
	Region II		
	Region III		
	Region IV	X	
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Eucyphilous		
	Mesocyphilous	X	
	Oligocyphilous		
	Anoxiphilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
	Marine		
	Estuary		
General Habitat	Lake	X	
	Pond	X	
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

	Source	1	12	11	22	28		Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X		
	Pupae							
	Adults							
Habitat	Acidobiontic							
	Acidophilous							
	Neutral				X			
	Alkaliphilous					X		
	Alkalibiotic							
	Indifferent	X	X					
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X		
	Euryhalinous							
Nutrient	Eutrophic	X			X	X		
	Mesotrophic	X		X				
	Oligotrophic							
	Dystrophic	X						
	Saprophilic							
	Facultative	X						
	Saproxenous				X	X		
	Saprophobic							
Organic	Euxyphilous							
	Mesoxyphilous	X	X			X		
	Oligoxyphilous			X	X			
	Anoxyphilous							
Temp.	Euthermal							
	Mesothermal	X		X	X			
	Oligothermal		X					
	Stenothermal							
	Metathermal			X	X			
	Eurythermal	X				X		
Turbid.	Eulichotophilous							
	Mesolichotophilous	X			X	X		
	Polylichotophilous		X					
	Oligolichotophilous							
	Limnobiontic			X	X	X	X	
	Limnophilous	X						
Current	Indifferent							
	Rheophilous							
	Rheobiontic							
General	Marine							
Habitat	Estuary							
	Lake	X	X	X				
	Pond	X			X	X		
	River	X						
	Stream	X						
	Spring							
	Other							
Specific	Epibenthic	X				X		
Habitat	Embenthic							
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizootic							
	Epiphytic		X	X	X			
	Attached	X	X	X	X	X		
	Unattached	X	X	X	X	X		
Emerg.	Winter	X		X		X		
	Spring	X	X	X		X		
	Summer	X	X	X	X	X		
	Autumn	X		X				
Feeding	Predator							
Bahavior	Herbivore							
	Omnivore	X						
	Scavenger							
Geographical	Region I							
Distribution	Region II							
	Region III							
	Region IV	X				X		
	Region V	X						
	Region VI		X	X				
	Region VII							
	Region VIII							
	Region IX							
	Region X							

Taxon: Parachironomus pectinatellae (Dendy & Sublette)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxyloous	X	
	Saprophobic		
	Euxylophilous		
O ₂	Mesoxylophilous	X	
	Oligoxylophilous		
	Anoxylophilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Sulichotophilous		
	Mesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Fond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Enlithic		
	Epixyloous		
	Epizoic	X	
	Epiphytic		
	Attached	X	
	Unattached		
Emerg.	Winter		
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

This species burrows in the gelatinous matrix of Pectinatella magnifica.

Taxon: Parachironomus scheideri Beck & Beck

		Source		Concensus & Notes
	Eggs	1		
Stage	Larvae	X		
	Pupae			
	Adults			
	Acidobiotic			
	Acidophilous	X		
pH	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic			
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative	X		
	Saproxylic			
	Saprophobic			
	Euxyphilous			
O ₂	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
	Euthermal			
	Mesothermal			
	Oligothermal			
	Stenothermal			
	Metathermal	X		
	Eurythermal			
Turbidity	Eulichtophilous	X		
	Mesolichtophilous			
	Polylichtophilous			
	Oligolichtophilous			
	Limnobiontic			
	Limnophilous	X		
	Indifferent			
	Rheophilous			
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake	X		
	Pond	X		
	River			
	Stream	X		
	Spring			
	Other			
Specific Habitat	Epibenthic			
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizooic			
	Epiphytic	X		
	Attached			
	Unattached	X		
	Winter	X		
	Spring			
	Summer			
	Autumn			
Feeding Behavior	Predator			
	Herbivore			
	Omnivore	X		
	Scavenger			
	Region I			
	Region II			
	Region III			
	Region IV	X		
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: Parachironomus tenuicaudatus (Malloch)

	Source									Concensus & Notes
		1	4	9	22	27	28	8		
Eggs										
Larvae	X	X	X	X	X	X	X			
Pupae										
Adults										
Stage										
Acidobiontic										
Acidophilous			X							
Neutral					X					
pH										
Alkaliphilous						X	X	X		
Alkalibiotic										
Indifferent	X		X							
Polyhalobous										
Euhalobous										
Mesohalobous										
Oligohalobous	X	X	X	X	X	X	X			
Euryhalinous										
Eutrophic					X		X			
Nesotrophic	X							X		
Oligotrophic						X				
Dystrophic										
Saprophilic										
Facultative										
Saproxylicous	X			X		X				
Saprophobic					X		X			
Euxyphilous										
Mesoxyphilous	X				X	X	X			
Oligoxyphilous					X					
Anoxyphilous										
Temp.										
Euthermal										
Mesothermal					X	X	X	X		
Oligothermal										
Stenothermal		X								
Temp.										
Netathermal					X	X				
Eurythermal					X			X	X	
Turbid.										
Eulichotophilous										
Nesolichtophilous	X				X		X	X		
Polylichtophilous										
Oligolichtophilous										
Limnobiontic					X		X			
Limnophilous										
Current										
Indifferent	X	X								
Rheophilous										
Rheobiontic						X		X		
General Habitat										
Marine										
Estuary										
Lake	X									
Fond			X	X		X				
River	X									
Stream			X		X		X			
Spring										
Other										
Specific Habitat										
Epibenthic	X		X		X					
Embenthic										
Epinelic										
Episabulic										
Enithic										
Enixyloous										
Epizootic										
Epiphytic						X				
Attached										
Unattached	X		X		X	X				
Emerg. Behavior										
Winter						X				
Spring							X			
Summer	X	X	X	X	X		X			
Autumn						X	X			
Feeding Behavior										
Predator										
Herbivore										
Omnivore										
Scavenger	X									
Geographical Distribution										
Region I										
Region II										
Region III	X	X								
Region IV	X					X				
Region V							X			
Region VI										
Region VII										
Region VIII										
Region IX					X	X				
Region X										

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Nutrient	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic	X	
O ₂	Euoxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
Turbid.	Eurythermal		
	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General	Marine		
Habitat	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific	Epibenthic	X	
Habitat	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding	Winter	X	
Behavior	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical	Region I		
Distribution	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Paracladopelma undine (Townes)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylic		
	Saprophobic	X	
	Euxyphilous		
O ₂	Mesoxyphtilous	X	
	Oligoxyphtilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
	Eulichotophilous	X	
	Nesolichtotophilous		
	Polylichotophilous		
	Oligolichtotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Fond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episublalic		
	Epilithic		
	Enixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Paralauterborniella elachista* (Townes)

	Source							Concensus & Notes
		1	12	11	22	27	28	
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
pH	Acidobiontic							
	Acidophilous							
	Neutral			X				
	Alkaliphilous				X	X		
	Alkalibiotic							
	Indifferent	X	X					
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
	Eutrophic	X		X		X		
	Mesotrophic							
	Oligotrophic			X				
	Dystrophic	X						
	Saprophilic							
	Facultative	X						
	Saproxylicous			X		X		
	Saprophobic				X			
	Euoxyphilous							
O ₂	Mesoxypphilous	X	X		X	X		
	Oligoxypphilous			X	X			
	Anoxypphilous							
	Euthermal							
	Nesothermal	X		X	X	X		
	Oligothermal		X					
Temp.	Stenothermal							
	Metathermal			X	X	X		
	Eurythermal	X				X		
	Eulichotophilous							
	Mesolichotophilous	X		X		X		
	Polylichotophilous		X					
	Oligolichotophilous							
	Limnobiontic		X	X	X		X	
	Limnophilous	X						
	Indifferent							
	Rheophilous							
	Rheobiontic							
	Marine							
	Estuary							
General, Habitat	Lake		X	X				
	Pond	X			X		X	
	River	X						
	Stream	X				X		
	Spring							
	Other							
Specific Habitat	Epibenthic							X
	Embenthic							
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Epiphytic	X		X	X			
	Attached							
	Unattached	X		X	X		X	
Emerg. Behavior	Winter	X						
	Spring	X		X		X		
	Summer	X	X	X	X	X	X	
	Autumn	X			X			
Feeding Behavior	Predator							
	Herbivore							
	Omnivore	X						
	Scavenger							
Geographical Distribution	Region I							
	Region II							
	Region III	X						
	Region IV	X				X		
	Region V							
	Region VI	X	X					
	Region VII							
	Region VIII							
	Region IX			X	X			
	Region X							

Taxon: Paralauterborniella nigrohalteralis (Malloch)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
Salinity	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Organic Nutrient	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
O ₂	Euoxiphilous		
	Mesoxyphiliou	X	
	Oligoxyphiliou		
	Anoxyphiliou		
	Eurthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbidity	Eulichotophiliou		
	Nesolichtophiliou	X	
	Polylichtophiliou		
	Oligolichtophiliou		
Current	Limnobiotic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Geographical Distribution	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Paralauterborniella subcincta* (Townes)

		Source	Concensus & Notes
		22	27
Stage	Eggs		
	Larvae	X X	
	Pupae		
	Adults	.	
pH	Acidobiontic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X X	
	Euryhalinous		
Organic Content	Eutrophic	X	
	Nesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic	X	
	Euoxypophilous		
O2	Mesoxypophilous	X	
	Oligoxypophilous	X	
	Anoxyphilous		
Temp.	Rothermal		
	Mesothermal	X X	
	Oligothermal		
	Stenothermal		
	Metathermal	X X	
	Eurythermal		
Turbid.	Bulichotophilous		
	Mesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
Emerg.	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring	X	
	Summer	X X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X X	
	Region X		

	Source	1	7		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae	.			
	Adults	.			
Habitat	Acidobiontic				
	Acidophilous	X	X		
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
Nutrient Salinity	Eutrophic	X	X		
	Mesotrophic	X			
	Oligotrophic				
	Dystrophic	X	X		
Oxygen	Saprophilic				
	Facultative				
	Saproxylicous				
	Saprophobic	X	X		
	Euxyphilous				
	Mesoxyphilous	X	X		
	Oligoxyphilous				
	Anoxyphilous				
Temperature	Euthermal				
	Mesothermal	X			
	Metathermal				
	Eurythermal		X		
Turbidity	Eulichotophilous	X			
	Mesolichotophilous	X			
	Polylichotophilous				
	Oligolichotophilous				
Current	Limnobiontic				
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiotic	X	X		
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River	X			
	Stream	X	X		
	Spring				
	Other				
Specific Habitat	Epibenthic	X			
	Embenthic				
	Enipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic		X		
	Attached				
	Unattached	X	X		
Emergence	Winter	X	X		
	Spring	X	X		
	Summer				
	Autumn				
Feeding Behavior	Predator				
	Herbivore		X		
	Omnivore	X			
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: Paramerina smithae (Sublette)

		Source	Concensus & Notes
		27	
Stage	Eggs		
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkallibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
	Euoxypophilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
Turbid.	Metathermal	X	
	Eurythermal		
Current	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: *Parametriocnemus lundbeckii* (Johannsen)

	Source						Concensus & Notes
		1	4	6	17	24	
Stage	Eggs						
	Larvae	X	X	X	X	X	
	Pupae						
	Adults						
pH	Acidobiontic						
	Acidophilous	X		X			
	Neutral						
	Alkaliphilous					X	
	Alkalibiontic						
	Indifferent		X		X		
02	Polyhalobous						
Organic Nutrient Salinity	Euthalobous						
	Mesohalobous						
	Oligohalobous	X	X	X		X	
	Euryhalinous						
	Eutrophic					X	
	Nesotrophic	X		X	X		
	Oligotrophic						
	Dystrophic	X					
	Saprophilic						
	Facultative						
	Saproxyloous						
	Saprophobic	X			X	X	
	Euoxypophilous					X	
	Mesoxyphilous	X		X	X		
	Oligoxyphilous						
	Anoxyphilous						
TEMP.	Eutherma						
	Mesothermal				X	X	
	Oligotherma						
	Stenothermal						
	Netathermal		X	X		X	
	Eurythermal	X			X		
Turbid.	Eulichotophilous					X	
	Mesolichotophilous	X					
	Polylichotophilous					X	
	Oligolichotophilous						
	Limnobiontic						
	Limnophilous						
	Indifferent		X				
	Rheophilous.				X		
Current	Rheobiontic	X			X	X	
	Marine						
	Estuary						
	Lake		X				
	Pond		X				
	River	X			X		
	Stream	X	X	X		X	
	Spring						
	Other						
Specific Habitat	Epibenthic	X					
	Embenthic						
	Epipelagic						
	Episabulic						
	Epilithic			X	X	X	
	Epixyloous						
	Epizooic						
	Epiphytic				X		
	Attached						
	Unattached	X		X	X	X	
Feeding Behavior	Winter	X					
	Spring	X					
	Summer	X	X	X	X		
	Autumn	X					
	Predator					X	
	Herbivore	X					
	Omnivore				X		
	Scavenger						
Geographical Distribution	Region I						
	Region II						
	Region III	X	X				
	Region IV	X			X	X	
	Region V				X		
	Region VI						
	Region VII						
	Region VIII	X					
	Region IX						
	Region X						

Taxon: Paratendipes albimanus (Meigen)

	Source	6	11	8	Concensus & Notes
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous		X		
	Alkalibiontic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
	Eutrophic				
Nutrient	Mesotrophic	X		X	
	Oligotrophic				
	Dystrophic				
Organism	Saprophilic				
	Facultative				
	Saproxenous				
	Saprophobic		X		
	Euxyphilous				
O ₂	Mesoxyp hilous	X		X	
	Oligoxyp hilous		X		
	Anoxyphilous				
	Euthermal			X	
Temp.	Mesothermal				
	Oligothermal		X		
	Steno thermal				
	Metathermal				
	Eurythermal	X		X	
Turbid.	Bulichotophilous				
	Mesolichtophilous			X	
	Polylichtophilous				
	Oligolichtophilous				
	Limnobiontic			X	
Current	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic	X		X	
General Habitat	Marine				
	Estuary				
	Lake		X		
	Pond				
	River				
	Stream	X		X	
	Spring				
	Other				
Specific Habitat	Epibenthic	X		X	
	Embenthic		X		
	Epipelic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizooic				
	Epiphytic				
	Attached				
	Unattached	X	X	X	
Feeding Behavior	Winter				
	Spring			X	
	Summer	X	X		
	Autumn				
	Predator				
	Herbivore				
	Omnivore	X			
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV				
	Region V	X		X	
	Region VI		X		
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: *Paratendipes* subaequalis (Malloch)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic Nutrient	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
O2	Euoxiphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbidity	Eulichotophilous		
	Nesolichtophilous	X	
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous		
Current	Indifferent	X	
	Rheophilous		
	Rheobiotic		
General Habitat	Natine		
	Estuary		
	Lake	X	
	Fond	X	
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Emberthic		
	Epineitic		
	Episabulic		
	Epilithic		
	Epiyalous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V	X	
	Region VI		
	Region VII	X	
	Region VIII		
	Region IX		
	Region X		

Taxon: Paratendipes thermophilus Townes

		Source	Concensus & Notes
Stage	Eggs	27	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Nesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprobic	X	
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
Current	Indifferent		
	Rheophilous		
	Rheobiotic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter		
	Spring		
	Summer		
	Autumn	X	
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
Geographical Distribution	Region X		

Taxon: *Parochlus kiefferi* (Garrett)

	Source	Concensus & Notes
Stage	Eggs Larvae Pupae Adult's	X
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiontic Indifferent	X
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous Eutrophic Nesotrophic Oligotrophic Dystrophic	X
Organic current	Saprophilic Facultative Saproxylic Saprophobic Euoxyp hilous Mesoxyphilous Oligoxyphilous Anoxyphilous	X
O ₂	Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal	X
Temp.	Eulichotophilous Nesolichtophilous Polylichtophilous Oligolichtophilous	
Turbid.	Limmobiontic Limmophilous Indifferent Rheophilous Rheobiontic	X
Current	Marine Estuary Lake Fond River Stream Spring Other	X
General Habitat	Epibenthic Embenthic Enipelagic Episabulic Epilithic Epixyloous Epizoic Epiphytic Attached Unattached	
Specific Habitat	Winter Spring Summer Autumn	X
Emerg.	Predator Herbivore Omnivore Scavenger	
Feeding Behavior	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X	X
Geographical Distribution		

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent	X	
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Nesotrophic	X	
Oligotrophic		
Dystrophic	X	
Saprophilic		
Facultative		
Saproxyloous		
Saprophobic	X	
Anoxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Eulichotophilous		
Mesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiotic	X	
General Habitat		
Marine		
Estuary		
Lake		
Pond		
River	X	
Stream	X	
Spring		
Other		
Specific Habitat		
Epibenthic	X	
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Winter	X	
Spring	X	
Summer	X	
Autumn	X	
Feeding Behavior		
Predator		
Herbivore		
Omnivore	X	
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III	X	
Region IV	X	
Region V	X	
Region VI		
Region VII		
Region VIII	X	
Region IX		
Region X		

	Source				Concensus & Notes
		1	12	28	
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous	X			
	Neutral				
	Alkaliphilous		X		
	Alkalibiotic				
	Indifferent		X		
Nutrient Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
Facultative	Eutrophic	X		X	
	Mesotrophic	X			
	Oligotrophic				
	Dystrophic	X			
Saprobic	Saprophilic				
	Facultative				
	Saproxylicous	X		X	
	Saprophobic				
Ox.	Euoxypophilous				
	Mesoxyphilous	X	X	X	
	Oligoxyphilous				
	Anoxyphilous		--		
Temp.	Euthermal				
	Mesothermal		X	X	
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X		X	
Turbid.	Eulichoptophilous				
	Mesolichoptophilous	X		X	
	Polylichoptophilous		X		
	Oligolichoptophilous				
Current	Limnobiatic		X	X	
	Limnophilous	X			
	Indifferent				
	Rheophilous				
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X	X		
	Pond	X		X	
	River				
	Stream	X			
	Spring				
	Other				
Specific Habitat	Epibenthic	X		X	
	Embenchic				
	Enipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
Emerg.	Unattached	X		X	
	Winter	X			
	Spring	X	X		
	Summer	X	X		
	Autumn	X	X	X	
Feeding Behavior	Predator				
	Herbivore				
	Omnivore	X			
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X		X	
	Region V				
	Region VI		X		
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: Pentaneura comosa Sublette

		Source	Concensus & Notes
Stage	Eggs	27	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophytic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
O ₂	Euoxypophilous		
	Mesoxypophilous	X	
	Oligoxypophilous		
	Anoxyphilous		
Temp.	Euthermal		
	Nesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter	X	
	Spring		
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Pentaneura inconspicua (Malloch)

		Source				Concensus & Notes
			1	17	7	
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous			X		
	Neutral					
	Alkaliphilous					
	Alkalibiotic					
	Indifferent	X	X			
Organic Nutrient Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
	Eutrophic	X		X		
	Mesotrophic	X	X			
	Oligotrophic					
	Dystrophic	X	X	X		
	Saprophilic					
	Facultative					
	Saproxylicous	X				
	Saprophobic		X	X		
	Euxyphilous					
	Mesoxyphilous	X	X	X		
	Oligoxyphilous					
	Anoxyphilous					
Temp	Euthermal					
	Mesothermal		X	X		
	Oligothermal					
	Stenothermal					
	Metathermal					
	Eurythermal	X	X	X		
Turbidity	Eulichotophilous					
	Mesolichotophilous	X		X		
	Polylichotophilous					
	Oligolichotophilous		X			
	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic		X	X		
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River	X	X			
	Stream	X		X		
	Spring					
	Other					
Specific Habitat	Epibenthic	X				
	Embenthic					
	Epineitic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizooic					
	Epiphytic		X	X		
	Attached	X	X	X		
	Unattached	X	X	X		
Feeding Behavior	Winter	X				
	Spring	X		X		
	Summer	X	X	X		
	Autumn	X		X		
	Predator	X		X		
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III	X				
	Region IV	X	X	X		
	Region V	X				
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

	Source	1	4	Concensus & Notes
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous	X		
	Alkalibiotic			
	Indifferent	X		
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
Organic Nutrient	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxenous	X		
	Saprophobic			
	Euoxyphilous			
O ₂	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
Temp.	Euthermal			
	Mesothermal			
	Oligothermal			
Turbid.	Stenothermal			
	Metathermal	X		
	Eurythermal	X		
	Eulichotophilous			
	Nesolichtophilous	X		
	Polylichtophilous			
	Oligolichtophilous			
Current	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiotic	X	X	
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River	X		
	Stream	X	X	
	Spring			
	Other			
Specific Habitat	Epibenthic	X		
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizooic			
	Epiphytic			
	Attached			
	Unattached	X		
Feeding Behavior	Winter	X		
	Spring	X		
	Summer	X	X	
	Autumn	X		
	Predator			
	Herbivore			
	Omnivore			
	Scavenger	X		
Geographical Distribution	Region I			
	Region II	X		
	Region III	X	X	
	Region IV	X		
	Region V	X		
	Region VI			
	Region VII	X		
	Region VIII			
	Region IX			
	Region X			

Taxon: *Phaenopsectra profusa* (Townes)

		Source	Concensus & Notes
	Eggs	22	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic		
Organic Content	Saprophilic		
	Facultative		
	Saproxenous	X	
	Saprophobic		
	Euoxyphilous		
O ₂	Mesoxyp hilous		
	Oligoxyp hilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbidity	Eulichotophilous		
	Nesolichtophilous	X	
	Polylichotophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Fond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epinhytic	X	
Feeding Behavior	Attached		
	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

		Source	Concensus & Notes
Stage	Eggs	27	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Nesotrophic		
	Oligotrophic	X	
	Dystrophic		
Organics	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
O ₂	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbidity	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
	Unattached		
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic		
	Euxylophilous		
	Kesoxylophilous		
O ₂	Oligoxylophilous	X	
	Anoxxylophilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichotophilous		
	Oligolichtotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Fond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Polypedilum braseniae (Leathers)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
BH	Acidobiontic	X	
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
	Euoxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Eutherma		
	Mesothermal		
	Oligotherma		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General	Marine		
Habitat	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific	Epibenthic		
Habitat	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Feeding	Winter		
Behavior	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical	Region I		
Distribution	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Burrows in the leaves of
Brasenia schreberi.

Taxon: *Polypededium convictum* (Walker)

		Source	Concensus & Notes
Stage	Eggs	17	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic Nutrient	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyp hilous	X	
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Netothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous		
	Polylichotophilous	X	
	Oligolichotophilous		
Current	Limnobiont		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream		
	Spring		
	Other		
Specific Habitat	Enibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Polypedilum digitifer* Townes

		Source	12	11	22	28	Concensus & Notes	
Stage								
Eggs								
Larvae		X	X	X	X			
Pupae								
Adults								
Acidobiontic								
Acidophilous								
Neutral				X				
Alkaliphilous					X			
Alkalibiotic								
Indifferent		X						
Polyhalobous								
Euhalobous								
Mesohalobous								
Oligohalobous		X	X	X	X			
Euryhalinous								
Eutrophic					X	X		
Mesotrophic		X	X					
Oligotrophic								
Dystrophic								
Saprophilic								
Facultative								
Saproxenous				X	X			
Saprophobic								
Euxylophilous								
Mesoxyphilous		X			X			
Oligoxyphilous			X	X				
Anoxyphilous								
Euthermal								
Mesothermal				X	X			
Oligothermal		X						
Stenothermal								
Metathermal				X	X			
Eurythermal		X			X			
Eulichotophilous								
Mesolichotophilous		X		X	X			
Polylichotophilous								
Oligolichotophilous								
Limnobiotic		X	X	X	X			
Limnophilous								
Indifferent								
Rheophilous								
Rheobiotic								
Marine								
Estuary								
Lake		X	X					
Pond								
River				X	X			
Stream								
Spring								
Other								
Epibenthic		X			X			
Embenthic			X					
Epipelagic								
Episabulic								
Epilithic								
Epixyloous								
Epizoic								
Epiphytic				X				
Attached								
Unattached		X	X	X	X			
Winter								
Spring		X				X		
Summer			X	X	X	X		
Autumn		X			X			
Predator								
Herbivore								
Omnivore		X						
Scavenger								
Region I								
Region II								
Region III								
Region IV					X			
Region V								
Region VI		X	X					
Region VII								
Region VIII								
Region IX				X				
Region X								

Taxon: *Polypededium fallax* (Johannsen)

	Source										Concensus & Notes
		1	4	9	2	14	17	8	30		
Eggs											
Larvae	X	X	X	X	X	X	X	X			
Pupae											
Adults											
Acidobiontic											
Acidophilous											
Neutral										X	
Alkaliphilous				X				X			
Alkalibiotic											
Indifferent	X	X		X	X	X					
Polyhalobous											
Euhalobous											
Mesohalobous											
Oligohalobous	X	X	X	X	X	X	X	X			
Euryhalinous											
Eutrophic	X				X			X			
Mesotrophic	X			X		X	X	X			
Oligotrophic											
Dystrophic	X					X					
Saprophilic											
Facultative							X				
Saproxenous	X								X		
Saprophobic							X	X			
Euoxyphilous											
Mesoxyphilous	X	X	X	X	X	X	X	X			
Oligoxyphilous								X			
Anoxyphilous											
Euthermal											
Mesothermal							X	X	X		
Oligothermal											
Stenothermal											
Netathermal			X				X				
Eurythermal	X		X	X				X	X		
Eulichotophilous											
Nesolichotophilous	X				X			X	X		
Polylichotophilous					X		X				
Oligolichotophilous											
Limnobiontic				X							
Limnophilous											
Indifferent											
Rheophilous				X							
Rheobiontic	X	X			X	X	X	X			
Marine											
Estuary											
Lake											
Pond											
River	X			X		X					
Stream	X	X			X		X				
Spring											
Other											
Epibenthic		X									
Embenthic						X					
Epielic											
Enisabulic											
Epilithic											
Epixyloous					X		X	X	X		
Epizoic											
Epiphytic						X					
Attached											
Unattached	X				X	X	X	X	X		
Winter	X					X					
Spring	X					X					
Summer	X	X			X			X			
Autumn	X				X						
Predator											
Herbivore											
Omnivore											
Scavenger	X					X		X			
Region I											
Region II											
Region III	X	X	X								
Region IV	X				X	X	X				
Region V	X				X						
Region VI									X		
Region VII	X										
Region VIII	X										
Region IX											
Region X											

Found in submerged decomposing wood and leaf drift.

Taxon: *Polypedilum halterale* (Coquilletti)

		Source	11	28	30				Concensus & Notes
Stage	Eggs								
	Larvae	X	X	X					
	Pupae								
	Adults								
pH	Acidobiontic								
	Acidophilous								
	Neutral			X					
	Alkaliphilous	X							
	Alkalibiotic								
	Indifferent								
Salinity	Polyhalobous								
	Euhalobous								
	Mesohalobous								
	Oligohalobous	X	X	X					
	Euryhalinous								
Nutrient	Eutrophic			X					
	Mesotrophic	X		X					
	Oligotrophic								
	Dystrophic								
	Saprophilic								
	Facultative								
	Saproxylicous	X							
	Saprophobic			X					
O ₂	Euoxyphilous								
	Mesoxypphilous	X	X						
	Oligoxypphilous	X							
	Anoxyphilous								
Temp.	Euthermal								
	Mesothermal		X	X					
	Oligothermal	X							
	Stenothermal								
	Metathermal	X							
	Eurythermal		X	X					
Turbid.	Euichotophilous								
	Nesolichtophilous	X	X						
	Polylichtophilous								
	Oligolichtophilous								
Current	Limnobiontic	X	X						
	Limnophilous								
	Indifferent								
	Rheophilous								
	Rheobiontic		X						
General Habitat	Marine								
	Estuary								
	Lake	X							
	Pond		X						
	River			X					
	Stream								
	Spring								
	Other								
Specific Habitat	Epibenthic		X						
	Embenthic								
	Epipelagic								
	Episabulic								
	Epilithic								
	Epixyloous								
	Epizoic								
	Epiphytic	X	X						
	Attached								
	Unattached	X	X	X					
Emerg.	Winter								
	Spring								
	Summer	X	X						
	Autumn								
Feeding Behavior	Predator								
	Herbivore								
	Omnivore								
	Scavenger								
Geographical Distribution	Region I								
	Region II								
	Region III								
	Region IV			X	X				
	Region V								
	Region VI	X							
	Region VII								
	Region VIII								
	Region IX								
	Region X								

Taxon: *Polypedilum illinoense* (Malloch)

	Source	1	4	9	12	2	17	11	28	8	10	Concensus & Notes
Stage	Eggs											
	Larvae	X	X	X	X	X	X	X	X	X	X	
	Pupae											
	Adults											
pH	Acidobiontic											
	Acidophilous											
	Neutral											
	Alkaliphilous								X	X	X	
	Alkalibiotic											
	Indifferent	X	X	X	X	X	X					
Salinity	Polyhalobous											
	Euhalobous											
	Mesohalobous											
	Oligohalobous	X	X	X	X	X	X	X	X	X	X	
	Euryhalinous											
Organic Nutrient	Eutrophic	X							X		X	
	Mesotrophic	X					X	X	X		X	
	Oligotrophic	X								X	X	
	Dystrophic	X					X					
	Saprophilic											
	Facultative							X			X	
	Saproxylicous	X							X	X		
	Saprophobic											
	Euxyphilous											
O ₂	Mesoxypophilous	X		X	X	X			X	X	X	
	Oligoxyphilous							X			X	
	Anoxyphilous											
Temp.	Euthermal											
	Mesothermal					X	X		X	X	X	
	Oligothermal							X				
	Stenothermal											
	Metathermal											
Turbid.	Eurythermal	X		X		X	X		X	X	X	
	Eulichotophilous											
	Nesolichotophilous	X							X	X	X	
	Polylichotophilous					X	X					
	Oligolichotophilous											
Current	Limnobiontic			X	X			X	X			
	Limnophilous											
	Indifferent	X	X									
	Rheophilous					X						
	Rheobiontic						X		X	X		
General Habitat	Marine											
	Estuary											
	Lake	X			X			X				
	Pond	X	X							X		
	River	X	X			X	X					
	Stream	X	X							X	X	
	Spring											
	Other											
Specific Habitat	Epibenthic	X								X		
	Embenthic											
	Epipelagic											
	Episabulic											
	Emilithic											
	Epixyloous											
	Epizootic											
	Foehnytic					X	X	X		X	X	
	Attached	X				X	X	X	X	X	X	
	Unattached	X				X						
Emerg.	Winter	X				X						
	Spring	X				X	X					
	Summer	X	X			X	X	X	X	X		
	Autumn	X				X	X					
Feeding Behavior	Predator											
	Herbivore											
	Omnivore	X				X						
	Scavenger											
Geographical Distribution	Region I											
	Region II											
	Region III	X	X	X								
	Region IV	X				X	X		X			
	Region V	X		X						X	X	
	Region VI					X		X				
	Region VII	X										
	Region VIII	X										
	Region IX											
	Region X											

Taxon: *Polypedilum labeculosum* (Mitchell)

	Source	Concensus & Notes
Stage	27	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiontic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic		
Oligotrophic	X	
Dystrophic		
Saprophilic		
Facultative		
Saproxyloous		
Saprophobic	X	
Euoxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal		
Temp.		
Turbid.		
Current		
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
General Habitat		
Specific Habitat		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached		
Emerg.		
Feeding Behavior		
Winter		
Spring	X	
Summer		
Autumn	X	
Predator		
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX	X	
Region X		

	Source	Concensus & Notes
Stage	Eggs Larvae Pupae Adults	X
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiotic Indifferent	
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous Eutrophic Mesotrophic Oligotrophic Dystrophic	X
Organic Nutrient	Saprophilic Facultative Saproxylicous Saprophobic Euoxypophilous Nesoxyphilous Oligoxyphilous Anoxyphilous	
O ₂	Oligothermal Stenothermal Metathermal Eurythermal	X
Turbid.	Eulichotophilous Nesolichotophilous Polylichotophilous Oligolichotophilous	
Current	Limnobiontic Limnophilous Indifferent Rheophilous Rheobiontic	X
General Habitat	Marine Estuary Lake Pond River Stream Spring Other	
Specific Habitat	Epibenthic Embenthic Epipelagic Enisabulic Enolithic Epixyloous Epizoic Eniphitic Attached Unattached	X
Feeding Behavior	Winter Spring Summer Autumn Predator Herbivore Omnivore Scavenger	X
Geographical Distribution	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X	

Taxon: *Polypedium obtusum* Townes

Taxon: Polypedium ontario (Walley)

	Source	Concensus & Notes
Stage	11	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic	X	
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxenous		
Saprophobic		
Euxyphilous		
Mesoxyphilous		
Oligoxyphilous	X	
Anoxyphilous		
Eurythermal		
Mesothermal		
Oligothermal	X	
Stenothermal		
Metathermal	X	
Eurythermal		
Eulichotophilous		
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiotic	X	
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic		
Marine		
Estuary		
Lake	X	
Pond		
River		
Stream		
Spring		
Other		
Epibenthic	X	
Embenthic		
Epipelic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic	X	
Epiphytic		
Attached		
Unattached	X	
Emerg.		Lives in cases of the caddis genus <u>Cheumatopsyche</u> .
Winter		
Spring		
Summer	X	
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI	X*	
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: *Polypededilum scalaenum* (Schrank)

		Source	11	27		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
Habitat	Acidobiontic					
	Acidophilous					
	Neutral					
Water Quality	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent					
Organic nutrient Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Temperature	Eutrophic					
	Mesotrophic	X				
	Oligotrophic		X			
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxylicous					
	Saprophobic		X			
	Euxyphilous					
	Mesoxyphilous		X			
	Oligoxyphilous	X				
	Anoxyphilous					
	Euthermal					
	Mesothermal		X			
	Oligothermal	X				
	Stenothermal					
	Metathermal		X	X		
	Eurythermal					
Turbidity	Eulichotophilous					
	Mesolichotophilous					
	Polylichotophilous					
	Oligolichotophilous					
Current	Limnobiontic		X			
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic		X			
General Habitat	Marine					
	Estuary					
	Lake		X			
	Pond					
	River					
	Stream			X		
	Spring					
	Other					
Specific habitat	Epibenthic					
	Embenthic		X			
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoocic					
	Epiphytic					
	Attached					
	Unattached		X			
Emerg.	Winter					
	Spring		X			
	Summer			X		
	Autumn					
Feeding Behavior	Predator					
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV					
	Region V					
	Region VI		X			
	Region VII					
	Region VIII					
	Region IX			X		
	Region X					

Taxon: Polypedilum simulans Townes

		Source	Concensus & Notes
	Eggs	28	
Stage	Larvae	X	
	Pupae		
	Adults		
	Acidobiontic		
	Acidophilous		
	Neutral		
pH	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Nesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyloous	X	
	Saprophobic		
	Euxylophilous		
Organic Nutrient	Mesoxylophilous	X	
	Oligoxylophilous		
	Anoxylophilous		
	Euthermal		
	Mesothermal	X	
Temp.	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnophilic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring		
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Polypedilum trigonum* Townes

		Source									Concensus & Notes
Stage	Eggs	12	28								
	Larvae	X	X								
	Pupae										
	Adults										
pH	Acidobiontic										
	Acidophilous										
	Neutral										
	Alkaliphilous	X									
	Alkalibiotic										
	Indifferent	X									
Salinity	Polyhalobous										
	Euhalobous										
	Mesohalobous										
	Oligohalobous	X	X								
	Euryhalinous										
Nutrient	Eutrophic		X								
	Mesotrophic	X									
	Oligotrophic										
	Dystrophic										
Organic	Saprophylic										
	Facultative										
	Saproxylicous	X									
	Saprophobic										
Ox.	Euoxypophilous										
	Mesoxyphilous	X	X								
	Oligoxyphilous										
	Anoxyphilous										
Temp.	Euthermal										
	Mesothermal	X									
	Oligothermal										
	Stenothermal										
	Metathermal										
Turbid.	Eurythermal	X	X								
	Eulichotophilous										
	Mesolichotophilous	X	X								
	Polylichotophilous										
	Oligolichotophilous										
Current	Limnobiontic	X	X								
	Limnophilous										
	Indifferent										
	Rheophilous										
	Rheobiontic										
General	Marine										
Habitat	Estuary										
	Lake	X									
	Fond		X								
	River										
	Stream										
	Spring										
	Other										
Specific	Epibenthic	X	X								
Habitat	Embenthic										
	Epipelagic										
	Episabulic										
	Epilithic										
	Epixyloous										
	Epizoic										
	Epiphytic	X									
	Attached										
	Unattached	X	X								
Emerg.	Winter										
	Spring	X									
	Summer		X								
	Autumn	X									
Feeding	Predator										
Behavior	Herbivore										
	Omnivore	X									
	Scavenger										
Geographical	Region I										
Distribution	Region II										
	Region III										
	Region IV		X								
	Region V										
	Region VI		X								
	Region VII										
	Region VIII										
	Region IX										
	Region X										

Taxon: Polypededium tritum (Walker)

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
Nutrient	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
O ₂	Euxyphilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Nesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epinhytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Potthastia Kieffer

		Source		Concensus & Notes	
		1	2		
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous				
	Alkalibiontic				
	Indifferent	X	X		
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
Organic nutrient	Eutrophic	X			
	Mesotrophic	X	X		
	Oligotrophic				
	Dystrophic	X			
	Saprophilic				
	Facultative				
	Saproxenous				
	Saprophobic	X			
	Euoxypophilous				
O ₂	Mesoxypophilous	X	X		
	Oligoxypophilous				
	Anoxypophilous				
Temp.	Euthermal				
	Mesothermal				
	Oligothermal				
	Stenothermal		X		
	Metathermal	X			
	Eurythermal				
Turbid.	Eulichotophilous				
	Mesolichotophilous				
	Polylichotophilous	X			
	Oligolichotophilous				
Current	Limnobiontic				
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic	X	X		
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River	X	X		
Specific Habitat	Stream	X			
	Spring				
	Other				
Emerg.	Epibenthic				
	Embenthic				
	Epipellic				
	Episabulic				
	Epilithic	X			
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
Feeding Behavior	Unattached	X	X		
	Winter	X	X		
	Spring	X			
	Summer				
	Autumn				
	Predator		X		
	Herbivore	X			
	Omnivore				
Geographical Distribution	Scavenger				
	Region I				
	Region II				
	Region III				
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: *Procladius adumbratus* (Johannsen)

	Source	Concensus & Notes
	28	
Stage	Eggs Larvae Pupae Adults	X
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiontic Indifferent	X
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous Eutrophic Nesotrophic Oligotrophic Dystrophic Saprophilic Facultative Saproxylicous Saprophobic Euoxyp hilous Mesoxyph ilous Oligoxyph ilous Anoxyph ilous Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal Eulichotophilous Mesolichotophilous Polylichotophilous Oligolichotophilous Limnobiontic Limnophilous Indifferent Rheophilous Rheobiontic Marine Estuary Lake Pond River Stream Spring Other Epibenthic Embenthic Epipelic Episabulic Gnilithic Epixyloous Epizooic Epiphytic Attached Unattached	X
General Habitat	Winter Spring Summer Autumn Predator Herbivore Omnivore Scavenger Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X	X
Specific Habitat		
Feeding Behavior		
Geographical Distribution		

Taxon: *Procladius bellus* (Loew)

	Source					Concensus & Notes
		12	11	21	28	
Stage	Eggs					
	Larvae	X	X	X	X	
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X	X		
	Alkalibiotic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X	X	
	Euryhalinous					
Nutrient	Eutrophic			X		
	Mesotrophic	X				
	Oligotrophic			X		
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxylicous				X	
	Saprophobic		X			
	Euoxyphilous					
O ₂	Mesoxyphilous	X		X	X	
	Oligoxyphilous		X			
	Anoxyphilous					
Temp.	Euthermal					
	Mesothermal	X		X	X	
	Oligothermal		X			
	Stenothermal					
	Metathermal		X	X		
	Eurythermal			X		
Turbid.	Eulichotophilous					
	Mesolichotophilous			X		
	Polylichotophilous	X				
	Oligolichotophilous					
Current	Limnobiontic	X	X	X		
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic		X			
General Habitat	Marine					
	Estuary					
	Lake	X	X			
	Pond			X		
	River					
	Stream			X		
	Spring					
	Other					
Specific Habitat	Epibenthic		X	X		
	Embenthic	X				
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic					
	Attached					
	Unattached	X	X	X		
Emerg.	Winter	X				
	Spring	X		X	X	
	Summer	X	X	X	X	
	Autumn	X		X	X	
Feeding Behavior	Predator					
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV			X		
	Region V					
	Region VI	X	X			
	Region VII					
	Region VIII					
	Region IX		X			
	Region X					

Taxon: *Procladius culiciformis* (Linnaeus)

	Source							Concensus & Notes
		2	6	18	11	22	8	
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
PH	Acidobiontic			X				
	Acidophilous		X					
	Neutral				X			
	Alkaliphilous					X		
	Alkalibiotic						X	
	Indifferent	X						
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
Organic Nutrient	Eutrophic			X		X		
	Mesotrophic	X	X		X		X	
	Oligotrophic							
	Dystrophic							
O2	Sapronhilic							
	Facultative			X			X	
	Saproxyinous					X		
	Saprophobic							
	Euxyphilous							
	Mesoxypophilous	X	X	X			X	
	Oligoxypophilous				X	X		
	Anoxyphilous		X					
Temp.	Euthermal							
	Mesothermal				X		X	
	Stenothermal							
	Metathermal	X	X	X	X	X		
	Eurythermal						X	
Turbidity	Eulichotophilous							
	Mesolichotophilous				X		X	
	Polylichotophilous	X						
	Oligolichotophilous							
Current	Limnobiontic				X	X	X	
	Limnophilous							
	Indifferent							
	Rheophilous	X						
	Rheobiontic		X				X	
General Habitat	Marine							
	Estuary							
	Lake			X		X		
	Pond							
	River	X						
	Stream		X				X	
	Spring							
	Other							
Specific Habitat	Epibenthic		X		X	X	X	
	Embenthic	X		X				
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizootic							
	Epiphytic							
	Attached							
	Unattached	X	X	X	X	X	X	
Energy.	Winter	X						
	Spring	X				X		
	Summer		X	X	X	X		
	Autumn							
Feeding Behavior	Predator						X	
	Herbivore							
	Omnivore							
	Scavenger	X						
Geographical Distribution	Region I							
	Region II							
	Region III --							
	Region IV	X						
	Region V		X	X				
	Region VI				X			
	Region VII							
	Region VIII							
	Region IX					X		
	Region X							

Taxon: Procladius denticulatus Sublette

		Source	Concensus & Notes
		27	28
Stage	Eggs		
	Larvae	X X	
	Rupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
Organics	Saprophilic		
	Facultative		
	Saproxylic		
	Saproxyenous	X	
	Saprophobic		
O ₂	Euoxyphilous		
	Mesoxypphilous	X X	
	Oligoxypphilous		
	Anoxypphilous		
Temp.	Euthermal		
	Mesothermal	X X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
Turbid.	Eurythermal	X	
	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiotic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Fond	X	
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Enolithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring	X	
	Summer	X X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: *Procladius riparius* (Malloch)

	Source	Concensus & Notes
Stage	28	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Salinity		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Nutrient		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic		
Organic		
Saprophilic		
Facultative		
Saproxylic		
Saproxylicous	X	
Oxygen		
Anoxophilous		
Mesoxypophilous	X	
Oligoxypophilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metothermal		
Eurythermal	X	
Temp.		
Turbidity		
Eulichtophilous		
Nesolichtophilous	X	
Polylichtophilous		
Oligolichtophilous		
General Habitat		
Limnobiatic	X	
Limnophilous		
Indifferent		
Rheophilous		
Rheobicotic		
Current		
Marine		
Estuary		
Lake		
Pond	X	
River		
Stream		
Spring		
Other		
Specific Habitat		
Epibenthic	X	
Embenthic		
Epipelagic		
Episabulic		
Enlithic		
Epixyloous		
Epizoic		
Epinhytic		
Attached		
Feeding Behavior		
Unattached	X	
Season		
Winter		
Spring	X	
Summer		
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: Prodiamesa bathyphila (Kieffer)

		Source	Concensus & Notes
Stage	Eggs	6	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichotophilous		
	Polylichotophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Fond		
	River		
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelic		
	Episabulic		
	Spilithic	X	
	Epixyloous		
	Epizooic		
	Epiphytic		
	Attached		
Emerg.	Unattached	X	
Feeding Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
Predator	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Prodiamesa olivacea (Meigen)

	Source	1	4	9	3	6		Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X		
	Pupae							
	Adults							
pH	Acidobiontic				X			
	Acidophilous					X		
	Neutral							
	Alkaliphilous			X				
	Alkalibiontic							
	Indifferent	X	X					
Salinity	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X		
	Euryhalinous							
Organic	Eutrophic							
	Mesotrophic	X				X		
	Oligotrophic	X			X			
	Dystrophic							
	Saprophilic							
	Facultative							
	Saproxenous							
	Saprophobic	X			X			
O ₂	Euoxyp hilous	X						
	Mesoxyp hilous				X	X		
	Oligoxyp hilous							
	Anoxyphilous							
Temp.	Euthermal							
	Mesothermal							
	Oligothermal							
Turbid.	Stenothermal				X			
	Metathermal	X	X			X		
	Eurythermal							
	Bulichotophilous	X			X			
	Mesolichtophilous							
	Polylichtophilous							
	Oligolichtophilous							
	Limnobiontic							
	Limnophilous							
Current	Indifferent	X		X				
	Rheophilous				X			
	Rheobiontic		X		X			
General Habitat	Marine							
	Estuary							
	Lake	X						
	Pond							
	River	X						
	Stream	X	X		X			
	Spring			X				
	Other							
Specific Habitat	Epibenthic	X		X	X			
	Embenthic							
	Epipelic							
	Episabulic							
	Epilithic	X						
	Epixyloous							
	Epizooic							
	Epiphytic							
Emerg.	Attached							
	Unattached	X		X	X			
	Winter	X						
	Spring							
	Summer	X	X	X	X			
	Autumn				X			
	Predator	X		X	X			
	Herbivore							
	Omnivore							
	Scavenger							
Feeding Behavior	Region I				X			
	Region II	X						
	Region III	X	X					
	Region IV	X						
	Region V	X			X			
	Region VI							
	Region VII							
	Region VIII	X						
	Region IX							
Geographical Distribution	Region X							

	Source			Concensus & Notes
		1	4	
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent	X	X	
Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxylicous	X		
	Saprophobic			
	Euxyphilous			
O2	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
	Euthermal			
	Mesothermal			
Temp.	Oligothermal			
	Stenothermal			
	Metathermal		X	
	Eurythermal	X		
Turbidity	Eulichotophilous			
	Nesolichtophilous	X		
	Polylichtophilous			
	Oligolichtophilous			
Current	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic	X	X	
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River	X	X	
	Stream	X	X	
	Spring			
	Other			
Specific Habitat	Epibenthic	X		
	Embellitic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizooic			
	Epiphytic			
	Attached			
Emerg. Season	Unattached	X		
	Winter	X		
	Spring	X		
	Summer	X	X	
	Autumn	X		
Feeding Behavior	Predator			
	Herbivore			
	Omnivore	X		
	Scavenger			
Geographical Distribution	Region I			
	Region II	X		
	Region III	X	X	
	Region IV	X		
	Region V			
	Region VI			
	Region VII	X		
	Region VIII			
	Region IX			
	Region X			

Taxon: *Psectrotanypus dyari* (Coquillett)

Stage	Source							Concensus & Notes
		5	3	25	26	8	10	
Eggs								
Larvae	X X X	X X X						
Pupae								
Adults	.							
Acidobiotic								
Acidophilous	X							
Neutral								
Alkaliphilous				X X				
Alkalibiotic								
Indifferent		X X						
Polyhalobous								
Euhalobous								
Mesohalobous								
Oligohalobous	X X X X X X							
Euryhalinous								
Eutrophic		X X X						
Mesotrophic				X X				
Oligotrophic	X							
Dystrophic								
Saprophilic		X X						
Facultative			X					
Saproxylic				X				
Saprophobic								
Euxylophilous								
Mesoxylophilous	X X		X X					
Oligoxylophilous		X X X						
Anoxylophilous		X X						
Euthermal								
Mesothermal		X X X X						
Oligothermal								
Stenothermal	X							
Metathermal								
Eurythermal	X	X X X X X						
Turbid.								
Eulichotophilous	X							
Mesolichotophilous		X X X X						
Polylichotophilous								
Oligolichotophilous								
Limnobiontic		X X						
Limnophilous								
Indifferent	X							
Rheophilous	X							
Rheobiontic			X X					
Marine								
Estuary								
Lake								
Pond	X	X X						
River								
Stream	X			X X				
Spring	X							
Other								
Epibenthic				X X				
Embenthic	X X X							
Epipelic								
Enisabulic								
Epilithic								
Epixyloous								
Epizoic								
Epiphytic								
Attached								
Unattached	X X X X X							
Winter	X			X X				
Spring	X X			X				
Summer	X X			X				
Autumn	X X			X X				
Predator	X							
Herbivore								
Omnivore								
Scavenger								
Region I		X						
Region II								
Region III								
Region IV								
Region V				X X				
Region VI								
Region VII	X	X X						
Region VIII								
Region IX								
Region X								

		Source	Concensus & Notes
Stage	Eggs	27	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
O ₂	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euoxyphilous		
	Mesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General	Marine		
Habitat	Estuary		
	Lake		
	Pond		
	River		
	Stream	X	
	Spring		
	Other		
Specific	Epibenthic		
Habitat	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached		
Emerg.	Winter		
	Spring	X	
	Summer		
	Autumn		
Feeding	Predator		
Behavior	Herbivore		
	Omnivore		
	Scavenger		
Geographical	Region I		
Distribution	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

		Source	1	28		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous	X				
	Alkalibiotic					
	Indifferent	X				
	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
	Eutrophic	X	X			
	Mesotrophic	X				
	Oligotrophic	X				
	Dystrophic	X				
	Saprophilic					
	Facultative					
	Saproxylicous	X	X			
	Saprophobic					
O ₂	Euoxyphilous					
	Mesoxyphilous	X	X			
	Oligoxyphilous					
	Anoxyphilous					
Temp.	Euthermal					
	Mesothermal		X			
	Oligothermal					
	Stenothermal					
	Metathermal					
	Eurythermal	X	X			
	Eulichotophilous					
	Nesolichtophilous	X	X			
	Polylichtophilous					
	Oligolichtophilous					
Turbid.	Limnobiontic		X			
	Limnophilous					
	Indifferent	X				
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake	X				
	Pond		X			
	River	X				
	Stream	X				
	Spring					
	Other					
Specific Habitat	Epibenthic		X			
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic	X				
	Attached					
	Unattached	X	X			
Feeding Behavior	Winter	X				
	Spring	X	X			
	Summer	X				
	Autumn					
	Predator					
	Herbivore	X				
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II	X				
	Region III	X				
	Region IV	X	X			
	Region V	X				
	Region VI					
	Region VII					
	Region VIII	X				
	Region IX					
	Region X					

Taxon: Pseudochironomus aix Townes

	Source	12	11		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
H	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous				
	Alkalibiontic				
	Indifferent	X			
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalineous				
	Eutrophic				
	Mesotrophic		X		
	Oligotrophic				
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxenous				
	Saprophobic				
	Euxyphilous				
O ₂	Mesoxyphilous	X			
	Oligoxyphilous		X		
	Anoxyphilous				
	Euthermal				
	Mesothermal				
	Oligothermal		X		
	Stenothermal				
	Metathermal				
	Eurythermal	X			
	Eulichotophilous				
	Mesolichtophilous	X			
	Polylichtophilous				
	Oligolichtophilous				
	Limnobiontic	X	X		
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X	X		
	Pond				
	River				
	Stream				
	Spring				
	Other				
Specific Habitat	Epibenthic	X			
	Embenthic		X		
	Epipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizootic				
	Epiphytic				
	Attached	X			
	Unattached		X		
Emerg.	Winter				
	Spring	X			
	Summer	X	X		
	Autumn	X			
Feeding Behavior	Predator				
	Herbivore				
	Omnivore		X		
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV				
	Region V				
	Region VI	X	X		
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Taxon: Pseudochironomus chen Townes

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylic		
	Saprophobic		
	Euxyphilous		
	Nesoxypilous		
O ₂	Oligoxypilous	X	
	Anoxypilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
	Eulichotophilous		
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epinelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Pseudochironomus fulviventris (Johannsen)

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
PH		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent	X	
Salinity		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Nutrient		
Eutrophic	X	
Mesotrophic	X	
Oligotrophic		
Dystrophic	X	
Organic		
Saprophilic		
Facultative		
Saproxenous	X	
Saprophobic		
Oxygen		
Euxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Temp.		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Turbidity		
Eulichotophilous		
Mesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent	X	
Rheophilous		
Rheobiontic		
Current		
General Habitat		
Marine		
Estuary		
Lake	X	
Pond		
River	X	
Stream	X	
Spring	X	
Other		
Specific Habitat		
Epibenthic	X	
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Season		
Winter	X	
Spring	X	
Summer	X	
Autumn	X	
Feeding Behavior		
Predator		
Herbivore		
Omnivore	X	
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III	X	
Region IV	X	
Region V	X	
Region VI		
Region VII	X	
Region VIII		
Region IX		
Region X		

		Source	22	8		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiotic					
	Acidophilous					
	Neutral	X				
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent					
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Nutrient	Eutrophic	X				
	Mesotrophic		X			
	Oligotrophic					
	Dystrophic					
Organic	Saprophilic					
	Facultative					
	Saproxylicous	X	X			
	Saprophobic					
Oxygen	Euoxyphilous					
	Mesoxypphilous		X			
	Oligoxypphilous	X				
	Anoxypphilous					
Temp.	Euthermal					
	Mesothermal	X	X			
	Oligothermal					
	Stenothermal					
	Metathermal	X				
	Eurythermal		X			
Turbidity	Eulichotophilous					
	Mesolichotophilous	X	X			
	Polylichotophilous					
	Oligolichotophilous					
Current	Limnobiontic	X				
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic		X			
General Habitat	Marine					
	Estuary					
	Lake					
	Pond	X				
	River					
	Stream		X			
	Spring					
	Other					
Specific Habitat	Epibenthic	X	X			
	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic					
	Attached					
	Unattached	X	X			
Emerg. Season	Winter					
	Spring					
	Summer	X				
	Autumn					
Feeding Behavior	Predator					
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV					
	Region V		X			
	Region VI					
	Region VII					
	Region VIII					
	Region IX	X				
	Region X					

	Source	1	6		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiotic				
	Acidophilous		X		
	Neutral				
	Alkaliphilous	X			
	Alkalibiotic				
	Indifferent				
	Polyhalobous				
	Euhalobous				
Salinity	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
	Eutrophic				
Nutrient	Mesotrophic		X		
	Oligotrophic	X			
	Dystrophic				
	Saprophilic				
	Facultative				
	Saproxylic				
O ₂	Saprophobic	X			
	Euoxyphilous	X			
	Mesoxyphilous		X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal				
	Mesothermal				
Turbidity	Oligothermal	X			
	Stenothermal				
	Metathermal		X		
	Eurythermal				
Current	Eulichotophilous				
	Nesolichtophilous	X			
	Polylichotophilous				
	Oligolichtophilous				
	Limnobiontic				
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic	X	X		
General Habitat	Marine				
	Estuary				
	Lake				
	Pond				
	River	X			
	Stream	X	X		
	Spring				
	Other				
Specific Habitat	Epibenthic		X		
	Embenthic				
	Epipelagic				
	Episabulic				
	Epilithic	X			
	Epixyloous				
	Epizooic				
	Epiphytic				
	Attached				
	Unattached		X		
Emerg. Behavior	Winter				
	Spring				
	Summer	X	X		
	Autumn	X			
Feeding Behavior	Predator		X		
	Herbivore	X			
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV				
	Region V		X		
	Region VI				
	Region VII				
	Region VIII	X			
	Region IX				
	Region X				

	Source	1	14	17		Concensus & Notes
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous					
	Alkalibiotic					
	Indifferent	X	X	X		
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
	Eutrophic	X	X	X		
	Mesotrophic	X				
	Oligotrophic	X				
	Dystrophic	X				
Organic Nutrient	Saprophilic					
	Facultative			X		
	Saproxenous	X				
	Saprophobic		X			
	Euoxyphilous					
O ₂	Mesoxyphilous	X	X	X		
	Oligoxyphilous					
	Anoxyphilous					
	Eothermal					
Temp.	Mesothermal		X			
	Oligothermal					
	Steno-thermal					
	Neothermal					
	Eurythermal	X		X		
Turbid.	Eulichotophilous					
	Nesolichotophilous	X	X			
	Polylichotophilous			X		
	Oligolichotophilous					
	Limnibiotic					
Current	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic	X	X	X		
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River	X	X	X		
	Stream	X	X			
	Spring					
	Other					
Specific Habitat	Epibenthic	X				
	Embenthic					
	Epipelic			X		
	Episabulic					
	Epilithic	X	X	X		
	Epixyloous			X		
	Epizoic					
	Epiphytic			X		
	Attached					
	Unattached	X	X	X		
Feeding Behavior	Winter	X				
	Spring	X				
	Summer	X		X		
	Autumn	X				
	Predator					
	Herbivore					
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III	X				
	Region IV	X	X	X		
	Region V	X				
	Region VI					
	Region VII	X				
	Region VIII	X				
	Region IX					
	Region X					

	Source	1	4	6	2	14	17	Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X	X	X	
	Pupae							
	Adults							
Env.	Acidobiontic							
	Acidophilous				X			
	Neutral							
	Alkaliphilous							
	Alkalibiotic							
	Indifferent	X	X		X	X	X	
	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X	X	X	
	Euryhalinous							
	Eutrophic	X				X	X	
	Mesotrophic	X		X			X	
	Oligotrophic							
	Dystrophic	X						
	Saprophilic							
	Facultative							
	Saproxylicous	X					X	
	Saprophobic						X	
	Euoxyphilous							
	Mesoxyphilous	X		X	X	X	X	
	Oligoxyphilous							
	Anoxyphilous							
Temp.	Euthermal							
	Mesothermal							
	Oligothermal							
	Stenothermal							
	Metathermal							
	Eurythermal	X						
	Eulichotophilous	X		X	X		X	
	Mesolichotophilous	X				X		
	Polylichotophilous				X		X	
	Oligolichotophilous							
	Limnobiontic				X			
	Limnophilous							
	Indifferent							
	Rheophilous							
	Rheobiontic	X	X		X	X	X	
General Habitat	Marine							
	Estuary							
	Lake							
	Fond							
	River	X			X	X	X	
	Stream	X	X	X				
	Spring							
	Other							
Specific Habitat	Epibenthic	X						
	Embenthic							
	Epipelagic							
	Enisabulic							
	Epilithic	X		X	X	X	X	
	Epixyloous	X			X		X	
	Epizoic	X						
	Epiphytic	X			X	X	X	
	Attached	X		X	X	X		
	Unattached						X	
Emerg.	Winter	X						
	Spring	X					X	
	Summer	X	X	X	X		X	
	Autumn	X						
Feeding Behavior	Predator							
	Herbivore							
	Omnivore	X						
	Scavenger							
Geographical Distribution	Region I							
	Region II	X						
	Region III	X	X					
	Region IV	X			X	X	X	
	Region V	X		X				
	Region VI							
	Region VII	X						
	Region VIII	X						
	Region IX							
	Region X							

		Source	Concensus & Notes
		16	
Stage	Eggs		
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic	X	
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
O ₂	Saprophilic		
	Facultative		
	Saproxytic		
	Saprophobic	X	
	Euoxiphilous	X	
	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal	X	
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Enipelic		
	Enisabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg. Behavior	Winter		
	Spring		
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V	X	
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Smittia aterrima* (Meigen)

	Source	1	13	Concensus & Notes
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous	X		
	Neutral			
	Alkaliphilous			
	Alkalibiotic			
	Indifferent			
Nutrient Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
O ₂	Eutrophic	X		
	Mesotrophic			
	Oligotrophic			
	Dystrophic	X		
Organic Nutrient	Saprophilic			
	Facultative			
	Saproxylicous	X		
	Saprophobic			
	Euoxypophilous			
	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
Temp.	Euthermal			
	Mesothermal	X		
	Oligothermal			
	Stenothermal			
	Metathermal	X		
	Eurythermal			
Turbid.	Eulichotophilous			
	Mesolichotophilous	X		
	Polylichotophilous			
	Oligolichotophilous			
	Limnobiontic			
Current	Limnophilous			
	Indifferent	X		
	Rheophilous			
	Rheobiontic			
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River			
	Stream	X		
	Spring			
	Other	X		
Specific Habitat	Epibenthic	X		
	Embenthic	X		
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
	Epiphytic	X		
	Attached			
Emerg.	Unattached	X	X	
	Winter	X		
	Spring	X		
	Summer			
	Autumn			
Feeding Behavior	Predator			
	Herbivore	X	X	
	Omnivore			
	Scavenger			
Geographical Distribution	Region I			
	Region II		X	
	Region III			
	Region IV	X		
	Region V			
	Region VI			
	Region VII			
	Region VIII			
	Region IX			
	Region X			

In addition to an occasional stream, this species is most frequently found in greenhouses, among the roots of potted plants, and in leaf mold.

		Source	1	14		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiotic					
	Acidophilous		X			
	Neutral					
	Alkaliphilous					
	Alkalibiotic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
	Eutrophic	X	X			
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic	X				
Organic Nutrient	Saprophilic					
	Facultative					
	Saproxylicous					
	Saprophobic	X	X			
	Euxyphilous					
O ₂	Mesoxyp hilous	X	X			
	Oligoxyp hilous					
	Anoxyp hilous					
Temp.	Euthermal					
	Mesothermal					
	Oligothermal					
	Stenothermal					
	Metathermal	X				
	Eurythermal					
Turbid.	Eulichotophilous	X				
	Mesolichtophilous		X			
	Polylichotophilous					
	Oligolichtophilous					
	Limnobiontic					
Current	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic	X	X			
General Habitat	Marine					
	Estuary					
	Lake					
	Pond					
	River	X	X			
	Stream	X	X			
	Spring					
	Other					
Specific Habitat	Epibenthic		X			
	Embenthic					
	Epipelagic					
	Episabulic	X				
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic		X			
	Attached					
	Unattached	X	X			
Emerg.	Winter	X				
	Spring	X				
	Summer					
	Autumn					
Feeding Behavior	Predator					
	Herbivore					
	Omnivore	X				
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV	X	X			
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: *Stenochironomus hilaris* (Walker)

	Source	1	28		Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiotic				
	Acidophilous				
	Neutral				
	Alkaliphilous	X			
	Alkalibiotic				
	Indifferent	X			
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
	Euryhalinous				
Nutrient	Eutrophic	X	X		
	Mesotrophic	X			
	Oligotrophic				
	Dystrophic	X			
Organic	Saprophilic				
	Facultative				
	Saproxenous		X		
	Saprophobic	X			
O ₂	Euoxyphilous				
	Mesoxyphilous	X	X		
	Oligoxyphilous				
	Anoxyphilous				
Temp.	Euthermal				
	Mesothermal	X			
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X	X		
Turbid.	Eulichotophilous	X			
	Mesolichotophilous	X			
	Polylichotophilous				
	Oligolichotophilous				
Current	Limnobiontic		X		
	Limnophilous				
	Indifferent				
	Rheophilous				
	Rheobiontic	X			
General Habitat	Marine				
	Estuary				
	Lake				
	Pond		X		
	River	X			
	Stream	X			
	Spring				
	Other				
Specific Habitat	Epibenthic	X			
	Embenthic				
	Epipelitic				
	Episabulic				
	Epilithic				
	Epixyloous	X			
	Epizoic				
	Epiphytic				
	Attached				
	Unattached	X	X		
Emerg.	Winter	X			
	Spring	X	X		
	Summer	X			
	Autumn	X			
Feeding Behavior	Predator				
	Herbivore				
	Omnivore				
	Scavenger	X			
Geographical Distribution	Region I				
	Region II				
	Region III				
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

Burrows in submerged wood
and leaf drift.

Taxon: *Stenochironomus macatee* (Malloch)

		Source	12	8		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults	.				
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiontic					
	Indifferent	X				
	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalincous					
Organic Durrant Salinity	Eutrophic					
	Mesotrophic	X	X			
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxenous		X			
	Saprophobic					
	Euoxyphilous					
O ₂	Mesoxyphilous	X	X			
	Oligoxyphilous					
	Anoxyphilous					
	Euthermal					
Temp.	Mesothermal	X				
	Oligothermal					
	Stenothermal	X				
	Metathermal					
	Eurythermal		X			
Turbid.	Eulichotophilous					
	Nesolichtophilous	X	X			
	Polylichotophilous					
	Oligolichtotophilous					
Current	Limnobiontic	X				
	Limnophilous					
	Indifferent					
	Kheophilous					
	Rheobiontic		X			
General Habitat	Marine					
	Estuary					
	Lake	X				
	Pond					
	River					
	Stream		X			
	Spring					
	Other					
Specific Habitat	Epibenthic					
	Embenthic		X			
	Epipelic					
	Episbulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic	X				
	Attached					
Emerg.	Unattached	X	X			
	Winter					
	Spring					
	Summer	X				
	Autumn					
Feeding Behavior	Predator					
	Herbivore	X				
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV					
	Region V		X			
	Region VI	X				
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Burrows in submerged wood
and leaf drift.

Taxon: *Stictochironomus devinctus* (Say)

	Source	Concensus & Notes
Stage	14	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous	X	
Neutral		
Alkaliphilous		
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic		
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxenous		
Saprophobic	X	
Euoxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal		
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal		
Eulichotophilous	X	
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Marine		
Estuary		
Lake		
Pond		
River	X	
Stream		
Spring		
Other		
Epibenthic		
Embenthic		
Epipelic		
Episabulic		
Epilithic		
Epixyloous	X	
Epizoic		
Epiphytic		
Attached		
Unattached	X	Burrows in submerged wood and leaf drift.
Emerg.		
Winter		
Spring		
Summer		
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV	X	
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

	Source	8	10							Concensus & Notes
Stage	Eggs									
	Larvae	X	X							
	Pupae									
	Adults									
pH	Acidobiotic									
	Acidophilous									
	Neutral									
	Alkaliphilous	X	X							
	Alkalibiotic									
	Indifferent									
Salinity	Polyhalobous									
	Euhalobous									
	Mesohalobous									
	Oligohalobous	X	X							
	Euryhalinous									
Organic Nutrient	Eutrophic	X								
	Nesotrophic	X	X							
	Oligotrophic									
	Dystrophic									
O ₂	Saprophilic									
	Facultative	X								
	Saproxytic		X							
	Saprophobic									
	Euxylophilous									
	Mesoxylophilous	X	X							
	Oligoxylophilous	X								
	Anoxylphilous									
Temp.	Euthermal									
	Mesothermal	X	X							
	Oligothermal									
	Stenothermal									
	Metathermal									
	Eurythermal	X	X							
Turbid.	Eulichotophilous									
	Nesolichotophilous	X	X							
	Polylichotophilous									
	Oligolichotophilous									
Current	Limnobiontic									
	Limnophilous									
	Indifferent									
	Rheophilous									
	Rheobiontic	X	X							
General Habitat	Marine									
	Estuary									
	Lake									
	Pond									
	River									
	Stream	X	X							
	Spring									
	Other									
Specific Habitat	Epibenthic	X	X							
	Embenthic									
	Epipelagic									
	Episabulic									
	Epilithic									
	Epixyloous									
	Epizoic									
	Epiphytic									
	Attached									
	Unattached	X	X							
Emerg. Temp.	Winter		X							
	Spring									
	Summer									
	Autumn		X							
Feeding Behavior	Predator									
	Herbivore									
	Omnivore									
	Scavenger									
Geographical Distribution	Region I									
	Region II									
	Region III									
	Region IV									
	Region V	X	X							
	Region VI									
	Region VII									
	Region VIII									
	Region IX									
	Region X									

Taxon: Sympotthastia Pagast

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
Habitat	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic	X	
	Euoxyphilous	X	
Oxygen	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbidity	Eulichotophilous	X	
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring	X	
	Summer		
	Autumn	X	
	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Tanypus carinatus* Sublette

	Source				Concensus & Notes
		1	21	28	
Stage	Eggs				
	Larvae	X	X	X	
	Pupae				
	Adults	.			
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous	.	X		
	Alkalibiontic				
	Indifferent	X	X		
Salinity	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X	X	
	Euryhalinous				
Nutrient	Eutrophic	X	X	X	
	Mesotrophic				
	Oligotrophic				
	Dystrophic	X			
	Saprophilic	X			
Organism	Facultative		X		
	Saproxylicous		X		
	Saprophobic				
	Euxyphilous				
O ₂	Mesoxyphilous			X	
	Oligoxyphilous	X	X		
	Anoxyphilous	X			
Temp.	Euthermal				
	Mesothermal		X	X	
	Oligothermal				
	Stenothermal				
	Metathermal				
	Eurythermal	X	X	X	
Turbid.	Eulichotophilous				
	Mesolichotophilous			X	
	Polylichotophilous	X	X		
	Oligolichotophilous				
	Limnobiontic		X	X	
Current	Limnophilous	X			
	Indifferent				
	Rheophilous				
	Rheobiontic				
General Habitat	Marine				
	Estuary				
	Lake	X			
	Pond	X	X	X	
	River	X			
	Stream	X			
	Spring				
	Other				
Specific Habitat	Epibenthic			X	
	Embenthic	X	X		
	Epipelagic				
	Episabulic				
	Epilithic				
	Epixyloous				
	Epizoic				
	Epiphytic				
	Attached				
Emerg.	Unattached	X	X	X	
Feeding Behavior	Winter	X			
	Spring	X			
	Summer	X			
	Autumn	X		X	
	Predator		X		
	Herbivore				
	Omnivore				
	Scavenger	X			
Geographical Distribution	Region I				
	Region II				
	Region III	X	-		
	Region IV	X	X		
	Region V				
	Region VI				
	Region VII				
	Region VIII				
	Region IX				
	Region X				

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
1	Acidobiontic		
	Acidophilous		
	Neutral		
2	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinous		
	Eutrophic		
	Nesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
02	Mesoxyp hilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
	Bulichotophilous	X	
	Mesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
	Limnobiontic		
	Limnophilous	X	
	Indifferent		
	Rheophilous		
	Rheobiontic		
	Marine		
General Habitat	Estuary	X	
	Lake		
	Fond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Eubenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Feeding Behavior	Unattached	X	
	Winter	X	
	Spring		
	Summer	X	
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger	X	
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Tanypus grodhausi Sublette

		Source	Concensus & Notes
	Eggs	21	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkallibiotic		
Salinity	Indifferent	X	
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative	X	
	Saproxytic		
	Saprophobic		
O ₂	Euxylophilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichtophilous		
	Polylichtophilous	X	
	Oligolichtophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General	Marine		
Habitat	Estuary		
	Lake		
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific	Epibenthic		
Habitat	Embenthic	X	
	Epipelitic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding	Winter		
Behavior	Spring		
	Summer		
	Autumn		
	Predator	X	
	Herbivore		
	Omnivore		
	Scavenger		
Geographical	Region I		
Distribution	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX	X	
	Region X		

Taxon: Tanypus parastellatus Sublette

	Source	Concensus & Notes
Stage	27	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic		
Oligotrophic	X	
Dystrophic		
Saprophilic		
Facultative		
Saproxenous		
Saprophobic	X	
Euoxyphilous		
Mesoxyphilous		
Oligoxyphilous	X	
Anoxyphilous		
Euthermal		
Mesothermal	X	
Metathermal		
Eurythermal		
Eulichotophilous		
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached		
Winter		
Spring	X	
Summer		
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX	X	
Region X		

		Source	Concensus & Notes
Stage	Eggs	11	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
Dystrophic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
O ₂	Euoxyphilous		
	Mesoxyphilous		
	Oligoxyphilous	X	
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Tanypus punctipennis* Meigen

		Source	25	26	29	8			Concensus & Notes
Stage									
Eggs									
Larvae		X	X	X	X				
Pupae									
Adults									
Acidobiontic									
Acidophilous									
Neutral									
Alkaliphilous					X				
Alkalibiotic									
Indifferent		X	X	X					
Polyhalobous									
Euhalobous									
Mesohalobous									
Oligohalobous		X	X	X	X				
Euryhalinous									
Eutrophic		X	X	X	X				
Mesotrophic					X				
Oligotrophic									
Dystrophic									
Saprophilic		X	X						
Facultative					X				
Saproxyloous				X					
Saprophobic									
Euoxyphilous									
Mesoxyphilous					X	X			
Oligoxyphilous		X	X			X			
Anoxyphilous		X	X	X					
Euthermal									
Mesothermal		X	X	X	X				
Oligothermal									
Stenothermal									
Metathermal									
Eurythermal		X	X	X	X				
Eulichotophilous									
Nesolichtophilous		X	X			X			
Polylichotophilous					X				
Oligolichtophilous									
Limnobiontic		X	X	X					
Limnophilous									
Indifferent									
Rheophilous									
Rheobiontic				X					
Marine									
Estuary									
Lake									
Pond		X	X	X					
River									
Stream					X				
Spring									
Other									
Epibenthic									
Embranchic		X	X	X	X				
Epipelagic									
Episabulic									
Epilithic									
Epixyloous									
Epizoic									
Epiphytic									
Attached									
Unattached		X	X	X	X				
Winter									
Spring									
Summer									
Autumn									
Predator									
Herbivore									
Omnivore									
Scavenger									
Region I									
Region II									
Region III									
Region IV									
Region V						X			
Region VI									
Region VII		X	X						
Region VIII									
Region IX					X				
Region X									

Taxon: *Tanypus stellatus* (Coquilletti)

	Source	1	4	9	12	5	11	8	10		Concensus & Notes
Stage	Eggs										
	Larvae	X	X	X	X	X	X	X	X		
	Pupae										
	Adults	.	.	.	.	.	.	.	.
pH	Acidobiontic										
	Acidophilous										
	Neutral										
	Alkaliphilous				X			X	X		
	Alkalibiotic										
	Indifferent	X	X		X						
Salinity	Polyhalobous										
	Euhalobous										
	Mesohalobous										
	Oligohalobous	X	X	X	X	X	X	X	X		
	Euryhalinous										
	Eutrophic	X						X			
	Mesotrophic						X	X	X		
	Oligotrophic										
	Dystrophic	X									
Organic Nutrient	Saprophilic										
	Facultative	X						X			
	Saproxylicous										
	Saprophobic							X			
O ₂	Euoxiphilous										
	Nesoxyphileous	X		X	X			X	X		
	Oligoxiphilous	X					X	X			
	Anoxyphileous	X									
Temp.	Euthermal										
	Mesothermal					X					
	Oligothermal						X				
	Stenothermal										
	Metathermal		X				X				
Turbid.	Eurythermal	X	X		X		X	X	X		
	Eulichotophilous										
	Mesolichotophilous	X						X	X		
	Polylichotophilous					X					
	Oligolichotophilous										
Current	Limnobiontic					X	X	X	X		
	Limnophilous	X									
	Indifferent		X								
	Rheophilous										
	Rheobiontic							X	X		
General Habitat	Marine										
	Estuary										
	Lake	X			X	X	X				
	Pond		X			X					
	River	X	X								
	Stream	X	X					X	X		
	Spring										
Specific Habitat	Other	X									
	Epibenthic							X			
	Embenthic	X			X			X	X		
	Epipelagic										
	Episabulic										
	Epilithic										
	Epixylic										
	Epizootic										
	Epiphytic										
	Attached										
Emerg.	Unattached	X			X		X	X	X		
Feeding Behavior	Winter										
	Spring	X							X		
	Summer	X	X		X	X	X				
	Autumn	X					X		X		
Geographical Distribution	Predator										
	Herbivore										
	Omnivore										
	Scavenger	X									
	Region I										
	Region II										
	Region III	X	X								
	Region IV	X									
	Region V				X						
	Region VI					X		X	X	X	
	Region VII						X				
	Region VIII										
	Region IX										
	Region X										

Taxon: Tanytarsus buckleyi Sublette

	Source	12	11	28		Concensus & Notes
Stage	Eggs					
	Larvae	X	X	X		
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent	X				
Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X	X		
	Euryhalinous					
	Eutrophic			X		
	Mesotrophic	X	X			
	Oligotrophic					
	Dystrophic					
Organism	Saprophytic					
	Facultative					
	Saproxytic			X		
	Saprophobic					
O ₂	Euoxyphilous					
	Mesoxypphilous	X		X		
	Oligoxypphilous		X			
	Anoxypphilous					
Temp.	Euthermal					
	Mesothermal			X		
	Oligothermal		X			
	Stenothermal					
	Eurythermal	X		X		
Turbidity	Eulichotophilous					
	Mesolichtophilous	X		X		
	Polylichtophilous					
	Oligolichtophilous					
Current	Limnobiontic	X	X	X		
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic					
General Habitat	Marine					
	Estuary					
	Lake	X	X			
	Pond			X		
	River					
	Stream					
	Spring					
	Other					
Specific Habitat	Epibenthic			X		
	Embenthic		X			
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic		X			
	Attached					
Emerg.	Unattached	X	X	X		
	Winter	X				
	Spring					
	Summer	X	X	X		
	Autumn	X				
Feeding Behavior	Predator					
	Herbivore					
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II					
	Region III					
	Region IV			X		
	Region V					
	Region VI	X	X			
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Tanytarsus confusus Malloch

		Source	Concensus & Notes
Stage	Eggs	12	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
Nutrient	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
Organic	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic		
	Euxyphilous		
O ₂	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Limn.	Limnobiontic	X	
	Limnophilous		
Current	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
Temp.	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Tanytarsus dendyi Sublette

		Source	Concensus & Notes
Stage	Eggs	12	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Organic Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Anoxyphilous		
O ₂	Nesoxypophilous	X	
	Oligoxypophilous		
	Anoxypophilous		
	Euthermal		
Temp.	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbidity	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixylic		
	Epizoic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring	X	
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Tanytarsus neoflavellus Malloch

		Source	Concensus & Notes
	Eggs	12	
Stage	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
Organic Nutrient	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic		
O ₂	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
Emerg.	Attached		
	Unattached	X	
	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Tanytarsus quadratus Sublette

	Source	12	28	Concensus & Notes
Stage	Eggs			
	Larvae	X	X	
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous	X		
	Alkalibiotic			
	Indifferent	X		
	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X	X	
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic			
	Saprophilic			
	Facultative			
	Saproxenous	X		
	Saprophobic			
	Euxyphilous			
0.2	Mesoxyphilous	X	X	
	Oligoxyphilous			
	Anoxyphilous			
	Euthermal			
Temp.	Mesothermal	X		
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X	X	
	Eulichotophilous			
	Mesolichotophilous	X		
	Polylichotophilous			
	Oligolichtotophilous			
	Limnobiontic	X	X	
Current	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic			
	Marine			
	Estuary			
	Lake	X		
	Fond		X	
	River			
	Stream			
	Spring			
General Habitat	Other			
	Epibenthic	X	X	
	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic			
	Epixyloous			
	Epizoic			
Specific Habitat	Epiphytic	X		
	Attached			
	Unattached	X	X	
Emerg.	Winter	X		
	Spring	X	X	
	Summer	X		
	Autumn			
Feeding Behavior	Predator			
	Herbivore			
	Omnivore			
	Scavenger			
	Region I			
	Region II			
	Region III			
Geographical Distribution	Region IV	X		
	Region V			
	Region VI	X		
	Region VII			
	Region VIII			
	Region IX			
	Region X			

Taxon: Tanytarsus recens Sublette

		Source	12	28		Concensus & Notes
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
PH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous		X			
	Alkalibiotic					
	Indifferent	X				
Nutrient	Polyhalobous					
	Euhalobous					
	Mesohalobous					
	Oligohalobous	X	X			
	Euryhalinous					
Organic	Eutrophic		X			
	Mesotrophic	X				
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxenous		X			
	Saprophobic					
	Euxyphilous					
02	Mesoxyphilous	X	X			
	Oligoxyphilous					
	Anoxyphilous					
Temp.	Euthermal					
	Mesothermal	X				
	Oligothermal					
	Stenothermal	X				
	Metathermal					
	Eurythermal		X			
Turbid.	Eulichotophilous					
	Mesolichotophilous	X	X			
	Polylichotophilous					
	Oligolichotophilous					
Current	Limnobiontic	X	X			
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic					
General	Marine					
Habitat	Estuary					
	Lake	X				
	Pond		X			
	River					
	Stream					
	Spring					
	Other					
Specific	Epibenthic		X			
Habitat	Embenthic					
	Epipelagic					
	Episabulic					
	Epilithic					
	Epixyloous					
	Epizoic					
	Epiphytic	X				
	Attached					
	Unattached	X	X			
Emerg.	Winter					
	Spring	X	X			
	Summer					
	Autumn					
Feeding	Predator					
Behavior	Herbivore					
	Omnivore					
	Scavenger					
Geographical	Region I					
Distribution	Region II					
	Region III					
	Region IV		X			
	Region V					
	Region VI	X				
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: Tanytarsus xanthus Sublette

	Source	Concensus & Notes
Eggs	12	
Larvae	X	
Pupae		
Adults		
Stage		
pH		
Salinity		
Nutrient		
O ₂		
Temp.		
Turbid.		
Current		
General Habitat		
Specific Habitat		
Feeding Behavior		
Geographical Distribution		

Taxon: Telmatobiont japonicus Tokunaga

		Source				Concensus & Notes
		1	31			
Stage	Eggs					
	Larvae	X	X			
	Pupae					
	Adults					
pH	Acidobiontic					
	Acidophilous					
	Neutral					
	Alkaliphilous	X	X			
	Alkalibiontic					
	Indifferent					
Organic Nutrient Salinity	Polyhalobous					
	Euhalobous					
	Mesohalobous	X	X			
	Oligohalobous					
	Euryhalinous					
	Eutrophic					
	Mesotrophic	X	X			
	Oligotrophic					
	Dystrophic					
	Saprophilic					
	Facultative					
	Saproxylicous	X	X			
	Saprophobic					
	Euxyphilous	X	X			
	Mesoxypophilous					
	Oligoxypophilous					
	Anoxypophilous					
Temp.	Euthermal					
	Mesothermal					
	Oligothermal					
	Stenothermal					
	Metathermal	X	X			
	Eurythermal					
Turbid.	Eulichotophilous	X	X			
	Nesolichotophilous					
	Polylichotophilous					
	Oligolichotophilous					
	Limnobiontic					
	Limnophilous					
	Indifferent					
	Rheophilous					
	Rheobiontic	X	X			
Current	Marine	X	X	Marine inter-tidal.		
	Estuary					
	Lake					
	Pond					
	River					
	Stream					
	Spring					
General Habitat	Other					
	Epibenthic					
	Embenthic					
	Epelic					
	Episabulic					
	Epilithic	X	X			
	Epixylic					
Specific Habitat	Epizoic					
	Epiphytic					
	Attached					
	Unattached	X	X			
Emerg.	Winter	X	X			
	Spring	X	X			
	Summer		X			
	Autumn					
Feeding Behavior	Predator					
	Herbivore	X	X			
	Omnivore					
	Scavenger					
Geographical Distribution	Region I					
	Region II	X	X			
	Region III					
	Region IV	X	X			
	Region V					
	Region VI					
	Region VII					
	Region VIII					
	Region IX					
	Region X					

Taxon: *Thalassomyia bureni* Wirth

		Source	Concensus & Notes
Stage	Eggs	31	
	Larvae	X	
	Pupae		
	Adults		
	Acidobiontic		
	Acidophilous		
	Neutral		
pH	Alkaliphilous	X	
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous	X	
	Oligohalobous		
	Euryhalinous		
Organic Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euoxyphilous		
O ₂	Mesoxypphilous	X	
	Oligoxypphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal	X	
	Oligothermal		
	Stenothermal		
	Metathermal	X	
Turbid.	Eurythermal		
	Eulichotophilous		
	Mesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent	X	
	Rheophilous		
	Rheobiontic		
General Habitat	Marine	X	
	Estuary	X	
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic	X	
Emerg.	Attached		
	Unattached	X	
	Winter		
	Spring		
	Summer	X	
	Autumn	X	
Predator			
Feeding Behavior	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Marine inter-tidal.

Taxon: *Thienemannimyia barberi* (Coquillett)

	Source	Concensus & Notes
Stage	27	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiontic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic		
Oligotrophic	X	
Dystrophic		
Saprophilic		
Facultative		
Saproxenous		
Saprophobic	X	
Euxyphilous		
Mesoxyphilous	X	
Oligoxyphilous		
Anoxyphilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal	X	
Eurythermal		
Eulichotophilous		
Mesolichotophilous		
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
General Habitat		
Marine		
Estuary		
Lake		
Pond		
River		
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Enlithic		
Epixylocous		
Epizoic		
Epinhytic		
Attached		
Unattached		
Emerg. Behavior		
Winter		
Spring		
Summer		
Autumn	X	
Predator		
Herbivore		
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II		
Region III		
Region IV		
Region V		
Region VI		
Region VII		
Region VIII		
Region IX		
Region X	X	

Taxon: Thienemannimyia senata (Walley)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
Nutrient Salinity	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euxyphilous	X	
O ₂	Mesoxyp hilous		
	Oligoxyp hilous		
	Anoxyp hilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal		
	Metathermal	X	
	Eurythermal		
Turbid.	Eulichotophilous	X	
	Nesolichtotophilous		
	Polylichotophilous		
	Oligolichtotophilous		
Current	Limnobionti		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached	X	
Emerg.	Unattached	X	
	Winter	X	
	Spring		
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Thienemanniella xena* Roback

	Source	Concensus & Notes
Stage	1	
Eggs		
Larvae	X	
Pupae		
Adults		
pH		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous		
Alkaibiotic		
Indifferent	X	
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic	X	
Mesotrophic	X	
Oligotrophic		
Dystrophic	X	
Organic Nutrient Salinity		
Saprophilic		
Facultative		
Saproxylic		
Saprophobic	X	
Euxyphilous		
Oxyxiphilous	X	
Anoxyxiphilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Turbid.		
Eulichotophilous	X	
Nesolichtophilous		
Polylichtophilous		
Oligolichtophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
General Habitat		
Marine		
Estuary		
Lake		
Pond		
River	X	
Stream	X	
Spring		
Other		
Epibenthic		
Embenthic		
Epipelagic		
Episabulic		
Epilithic	X	
Epixyloous		
Epizoic		
Epinhytic	X	
Attached		
Unattached	X	
Feeding Behavior		
Emerg.		
Winter	X	
Spring	X	
Summer	X	
Autumn	X	
Predator		
Herbivore	X	
Omnivore		
Scavenger		
Geographical Distribution		
Region I		
Region II	X	
Region III	X	
Region IV	X	
Region V	X	
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

Taxon: *Tribelos* sp. A (Beck)*

		Source	Concensus & Notes	
Stage	Eggs	1		
	Larvae	X		
	Pupae			
	Adults			
pH	Acidobiontic			
	Acidophilous			
	Neutral			
	Alkaliphilous			
	Alkalibiontic			
	Indifferent	X		
Organic Nutrient Salinity	Polyhalobous			
	Euhalobous			
	Mesohalobous			
	Oligohalobous	X		
	Euryhalinous			
	Eutrophic	X		
	Mesotrophic	X		
	Oligotrophic			
	Dystrophic	X		
	Saprophilic			
	Facultative			
	Saproxyloous	X		
	Saprophobic			
	Euoxyphilous			
02	Mesoxyphilous	X		
	Oligoxyphilous			
	Anoxyphilous			
Temp.	Euthermal			
	Mesothermal			
	Oligothermal			
	Stenothermal			
	Metathermal			
	Eurythermal	X		
Turbid.	Eulichotophilous			
	Mesolichotophilous	X		
	Polylichotophilous			
	Oligolichotophilous			
Current	Limnobiontic			
	Limnophilous			
	Indifferent			
	Rheophilous			
	Rheobiontic	X		
General Habitat	Marine			
	Estuary			
	Lake			
	Pond			
	River	X		
Specific Habitat	Stream	X		
	Spring	X		
	Other			
	Epibenthic	X		
Emerg.	Embenthic			
	Epipelagic			
	Episabulic			
	Epilithic	X		
	Epixyloous			
	Epizooic			
	Epiphytic			
	Attached			
	Unattached			
Feeding Behavior	Winter	X		
	Spring	X		
	Summer	X		
	Autumn	X		
	Predator			
	Herbivore			
	Omnivore	X		
	Scavenger			
Geographical Distribution	Region I			
	Region II			
	Region III	X		
	Region IV	X		
	Region V			
	Region VI			
	Region VII	X		
	Region VIII			
	Region IX			
	Region X			

*This is a very distinctive species thus far unrecorded and unnamed. It shows promise as a useful addition to this compilation when identified.

Taxon: *Tribelos fuscicornis* (Malloch)

		Source	Concensus & Notes
Stage	Eggs	3	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
Salinity	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic	X	
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
	Euoxyphilous		
O ₂	Nesoxypphilous	X	
	Oligoxypphilous		
	Anoxypphilous		
	Euthermal		
	Mesothermal		
Temp.	Oligothermal		
	Stenothermal	X	
	Metathermal		
	Eurythermal		
	Eulichotophilous	X	
Turbid.	Nesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiaotic		
Current	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring	X	
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloic		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter		
	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I	X	
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: *Tribelos jucundus* (Walker)

		Source	1	4	9	2	14		Concensus & Notes
Stage	Eggs								
	Larvae	X	X	X	X	X			
	Pupae								
	Adults								
pH	Acidobiontic								
	Acidophilous	X	X			X			
	Neutral								
	Alkaliphilous								
	Alkalibiontic								
	Indifferent			X	X				
Organic Nutrient Salinity	Polyhalobous								
	Euhalobous								
	Mesohalobous								
	Oligohalobous	X	X	X	X	X			
	Euryhalinous								
	Eutrophic	X				X			
	Mesotrophic	X				X			
	Oligotrophic								
	Dystrophic	X							
Temp.	Saprophilic								
	Facultative								
	Saproxyinous	X							
	Saprohebic					X			
	Euoxyphilous								
	Mesoxyphilous	X			X	X			
	Oligoxyphilous								
	Anoxyphilous								
Turbid.	Euthermal								
	Mesothermal								
	Oligothermal								
	Stenothermal					X			
	Metathermal		X						
	Eurythermal	X		X					
	Eulichotophilous								
	Nesolichotophilous	X				X			
	Polylichotophilous				X				
	Oligolichotophilous								
Current	Limnobiontic								
	Limnophilous								
	Indifferent			X					
	Rheophilous				X				
	Rheobiontic	X	X			X			
General Habitat	Marine								
	Estuary								
	Lake								
	Pond								
	River	X	X		X	X			
	Stream	X	X			X			
	Spring								
	Other								
Specific Habitat	Epibenthic	X			X				
	Embenthic								
	Epipelagic								
	Episabulic								
	Epilithic	X							
	Epixyloous								
	Epizoocic								
	Epiphytic								
	Attached								
Emerg. Behavior	Unattached	X				X			
	Winter	X							
	Spring	X				X			
	Summer	X	X						
	Autumn	X							
Feeding Behavior	Predator								
	Herbivore								
	Omnivore	X							
	Scavenger								
Geographical Distribution	Region I								
	Region II	X							
	Region III	X	X	X					
	Region IV	X			X	X			
	Region V	X							
	Region VI								
	Region VII	X							
	Region VIII								
	Region IX								
	Region X								

Taxon: *Tribelos quadripunctatus* (Malloch)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic		
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
O2	Mesoxyp hilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Tenn.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic	X	
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake	X	
	Pond	X	
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixylicous		
	Epizooic		
	Epiphytic	X	
	Attached		
	Unattached	X	
Emerg.	Winter		
	Spring	X	
	Summer		
	Autumn		
Feeding Behavior	Predator		
	Herbivore	X	
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Burrows in the petioles of the yellow pond lily, *Nuphar*.

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic	X	
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxenous		
	Saprophobic	X	
O ₂	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
Turbidity	Eurythermal		
	Eulichotophilous	X	
	Nesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizooic		
	Epiphytic	X	
	Attached		
Emerg. Behavior	Unattached		
	Winter	X	
	Spring	X	
	Summer		
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III	X	
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: Xenochironomus rogersi (Beck & Beck)

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous	X	
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic	X	
	Nesotrophic		
	Oligotrophic		
	Dystrophic	X	
	Saprophilic		
	Facultative		
	Saproxyloous		
	Saprophobic	X	
	Euxylophilous		
	Mesoxylophilous	X	
	Oligoxylophilous		
	Anoxylophilous		
	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal	X	
	Eurythermal		
O ₂	Eulichotophilous		
	Nesolichotophilous	X	
	Polylichotophilous		
	Oligolichotophilous		
	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
Temp.	Marine		
	Estuary		
	Lake		
	Fond		
	River		
	Stream	X	
	Spring		
	Other		
General Habitat	Epibenthic		
	Embenthic	X	
	Epipelic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizootic		
	Epiphytic		
	Attached		
	Unattached	X	
Specific Habitat	Winter		
	Spring	X	
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Feeding Behavior	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Región VIII		
	Region IX		
	Region X		
Geographical Distribution			

Taxon: Xenochironomus scopula Townes

	Source	Concensus & Notes
Stage	8	
Eggs		
Larvae	X	
Pupae		
Adults		
Acidobiotic		
Acidophilous		
Neutral		
Alkaliphilous	X	
Alkalibiotic		
Indifferent		
Polyhalobous		
Euhalobous		
Mesohalobous		
Oligohalobous	X	
Euryhalinous		
Eutrophic		
Mesotrophic	X	
Oligotrophic		
Dystrophic		
Saprophilic		
Facultative		
Saproxenous	X	
Saprophobic		
Euoxyphilous		
Mesoxyp hilous	X	
Oligoxyp hilous		
Anoxyp hilous		
Euthermal		
Mesothermal	X	
Oligothermal		
Stenothermal		
Metathermal		
Eurythermal	X	
Eulichotophilous		
Mesolichotophilous	X	
Polylichotophilous		
Oligolichotophilous		
Limnobiontic		
Limnophilous		
Indifferent		
Rheophilous		
Rheobiontic	X	
Marine		
Estuary		
Lake		
Pond		
River		
Stream		
Spring	X	
Other		
Epibenthic		
Embenthic	X	
Epipelagic		
Episabulic		
Epilithic		
Epixyloous		
Epizoic		
Epiphytic		
Attached		
Unattached	X	
Winter		
Spring		
Summer		
Autumn		
Predator		
Herbivore		
Omnivore		
Scavenger		
Region I		
Region II		
Region III		
Region IV		
Region V	X	
Region VI		
Region VII		
Region VIII		
Region IX		
Region X		

		Source	Concensus & Notes
Stage	Eggs	1	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent	X	
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic	X	
Organic	Saprophilic		
	Facultative		
	Saproxylicous	X	
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Heterothermal		
	Eurythermal	X	
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous	X	
	Oligolichotophilous		
Current.	Limnobiotic		
	Limnophilous		
	Indifferent		
	Rheophilous	X	
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River	X	
	Stream	X	
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic	X	
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Emerg.	Winter	X	
	Spring	X	
	Summer	X	
	Autumn	X	
Feeding Behavior	Predator		
	Herbivore		
	Omnivore	X	
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI	X	
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Burrows in the clay banks
of streams.

Taxon: Xenochironomus xenolabis Kieffer

		Source	1	12	Concensus & Notes
Stage	Eggs				
	Larvae	X	X		
	Pupae				
	Adults				
pH	Acidobiontic				
	Acidophilous				
	Neutral				
	Alkaliphilous				
	Alkalibiotic				
	Indifferent	X	X		
	Polyhalobous				
	Euhalobous				
	Mesohalobous				
	Oligohalobous	X	X		
Salinity	Euryhalinous				
	Eutrophic				
	Mesotrophic	X			
	Oligotrophic				
	Dystrophic	X			
	Saprophytic				
	Facultative				
	Saproxylicous	X			
	Saprophobic				
	Euxyphilius				
O ₂	Mesoxyp hilous	X	X		
	Oligoxyp hilous				
	Anoxyp hilous				
	Euthermal				
	Mesothermal	X			
Temp.	Oligothermal				
	Stenothermal				
	Metothermal				
	Eurythermal	X			
Turbid.	Bulichotophilous				
	Mesolichtophilous	X			
	Polylichtophilous		X		
	Oligolichtophilous				
	Limnobiontic		X		
	Limnophilous				
	Indifferent				
Current	Rheophilous	X			
	Rheobiotic				
General Habitat	Marine				
	Estuary				
	Lake	X	X		
	Pond				
	River	X			
	Stream	X			
	Spring				
	Other				
Specific Habitat	Epibenthic				
	Embenthic				
	Epipelic				
	Episabulic				
	Epilithic				
	Epixylious				
	Epizoic	X	X		
	Epiphytic				
	Attached				
	Unattached	X	X		
Emerg.	Winter	X			
	Spring		X		
	Summer	X	X		
	Autumn	X			
	Predator	X			
	Herbivore				
	Omnivore				
	Scavenger				
Geographical Distribution	Region I				
	Region II				
	Region III	X			Inhabits freshwater sponges.
	Region IV	X			
	Region V				
	Region VI				
	Region VII	X			
	Region VIII				
	Region IX				
	Region X				

		Source	1	4	2	14		Concensus & Notes
Stage	Eggs							
	Larvae	X	X	X	X			
	Pupae							
	Adults							
H	Acidobiontic							
	Acidophilous	X			X			
	Neutral		X					
	Alkaliphilous							
	Alkalibiotic							
	Indifferent			X				
	Polyhalobous							
	Euhalobous							
	Mesohalobous							
	Oligohalobous	X	X	X	X			
	Euryhalinous							
	Eutrophic	X			X			
	Mesotrophic	X		X				
	Oligotrophic							
	Dystrophic	X						
	Saprophilic							
	Facultative							
	Saproxenous							
	Saprophobic	X			X			
	Anoxophilous							
O ₂	Mesoxiphilous	X		X	X			
	Oligoxiphilous							
	Anoxiphilous							
	Euthermal							
	Mesothermal							
	Oligothermal							
	Stenothermal							
	Metathermal	X		X				
	Eurythermal		X					
	Eulichotophilous							
Turbid.	Mesolichotophilous	X			X			
	Polylichotophilous				X			
	Oligolichotophilous							
	Limnobiontic							
	Limnophilous							
	Indifferent							
	Rheophilous							
	Rheobiontic	X	X	X	X			
	Marine							
	Estuary							
	Lake							
	Pond							
	River	X		X	X			
	Stream	X	X		X			
	Spring							
	Other							
	Epibenthic	X			X			
	Embenthic							
	Epipelagic							
	Episabulic							
	Epilithic							
	Epixyloous							
	Epizoic							
	Epiphytic			X	X			
	Attached							
	Unattached	X		X	X			
	Winter	X						
	Spring	X		X				
	Summer		X					
	Autumn							
	Predator							
	Herbivore							
	Omnivore	X						
	Scavenger							
	Region I							
	Region II							
	Region III		X					
	Region IV	X		X	X			
	Region V							
	Region VI							
	Region VII							
	Region VIII							
	Region IX							
	Region X							

Taxon: Zavrelimyia carneosa Fittkau

		Source	Concensus & Notes
Stage	Eggs	7	
	Larvae	X	
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral	X	
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euthalobous		
	Mesohalobous		
	Oligohalobous	X	
	Euryhalinous		
	Eutrophic		
	Mesotrophic	X	
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxyinous		
	Saprophobic	X	
	Euxyphilous		
	Mesoxyphilous	X	
	Oligoxyphilous		
	Anoxyphilous		
	Ruthermal		
	Mesothermal		
Temp.	Oligothermal	X	
	Stenothermal	X	
	Metathermal		
	Eurythermal		
Turbid.	Bulichotophilous	X	
	Mesolichtophilous		
	Polylichtophilous		
	Oligolichtophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic	X	
General Habitat	Marine		
	Estuary		
	Lake		
	Fond		
	River		
	Stream		
	Spring	X	
	Other		
Specific Habitat	Epibenthic	X	
	Embenthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epiphytic		
	Attached		
	Unattached	X	
Feeding Behavior	Winter	X	
	Spring		
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV	X	
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: _____

		Source	Conensus & Notes
Stage	Eggs Larvae Pupae Adults		
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiontic Indifferent		
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous		
Nutrient	Eutrophic Mesotrophic Oligotrophic Dystrophic		
Oxygen	Saprophilic Facultative Saproxenous Saprophobic		
Temp.	Euoxiphilous Mesoxiphilous Olicoxyphilous Anoxyphilous Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal		
Turbid.	Eulichotophilous Nesolichtophilous Polylichotophilous Oligolichtophilous Limnobiontic		
Current	Limmophilous Indifferent Rheophilous Rheobiontic		
General Habitat	Marine Estuary Lake Pond River Stream Spring Other		
Specific Habitat	Epibenthic Embenthic Epipelagic Epigabulic Epilithic Epixyloous Epizoic Epiphytic Attached Unattached		
Emerg.	Winter Spring Summer Autumn Predator		
Feeding Behavior	Herbivore Omnivore Scavenger		
Geographical Distribution	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X		

Taxon: _____

		Source	Concensus & Notes
Stage	Eggs		
	Larvae		
	Pupae		
	Adults		
pH	Acidobiontic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiontic		
	Indifferent		
Salinity	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous		
	Euryhalinous		
Nutrient	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
Organics	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
O ₂	Euoxiphilous		
	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Nesolichtophilous		
	Polylichotophilous		
	Oligolichtophilous		
	Limnobiontic		
Current	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Emberthic		
	Epipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
Emers.	Epiphytic		
	Attached		
	Unattached		
Feeding Behavior	Winter		
	Spring		
	Summer		
	Autumn		
Geographical Distribution	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

Taxon: _____

		Source	Concensus & Notes
Stage	Eggs Larvae Pupae Adults		
pH	Acidobiontic Acidophilous Neutral Alkaliphilous Alkalibiotic Indifferent		
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinous Eutrophic Mesotrophic Oligotrophic Dystrophic Saprophilic Facultative Saproxenous Saprophobic Euoxiphilous Mesoxiphilous Oligoxiphilous Anoxiphilous Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal Bullichotophilous Nesolichtophilous Polylichtophilous Oligolichtophilous		
O ₂			
Temp.			
Turbid.	Limnobiontic Limnophilous Indifferent Rheophilous Rheobiotic		
Current	Nrine Estuary Lake Pond River Stream Spring Other		
General Habitat	Epibenthic Embenthic Epipelagic Episabulic Epilithic Epixyloous Epizoic Epiphytic Attached Unattached		
Specific Habitat	Winter Spring Summer Autumn Predator Herbivore Omnivore Scavenger		
Feeding Behavior	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X		
Geographical Distribution			

Taxon: _____

		Source	Concensus & Notes
Stage	Eggs Larvae Pupae Adults		
pH	Acidobiotic Acidophilous Neutral Alkaliphilous Alkalibiotic Indifferent		
Salinity	Polyhalobous Euhalobous Mesohalobous Oligohalobous Euryhalinicus		
O ₂	Eutrophic Mesotrophic Oligotrophic Dystrophic Saprophilic Facultative Saproxylicous Saprophobic Euoxypophilous Mesoxyphilous Oligoxyphilous Anoxyphilous Euthermal Mesothermal Oligothermal Stenothermal Metathermal Eurythermal		
Temp.	Eulichotophilous Mesolichotophilous Polylitchotophilous Oligolichotophilous		
Turbid.	Limnobiontic Limnophilous Indifferent Rheophilous Rheobiontic		
Current	Marine Estuary Lake Pond River Stream Spring Other		
General Habitat	Epibenthic Emberthic Epipelagic Episabulic Epilithic Epixyloous Epizoocic Epiphytic Attached Unattached		
Specific Habitat	Winter Spring Summer Autumn Predator Herbivore Omnivore Scavenger		
Feeding Behavior	Region I Region II Region III Region IV Region V Region VI Region VII Region VIII Region IX Region X		
Geographical Distribution			

Taxon: _____

		Source	Concensus & Notes
Stage	Eggs		
	Larvae		
	Pupae		
	Adults		
pH	Acidobiotic		
	Acidophilous		
	Neutral		
	Alkaliphilous		
	Alkalibiotic		
	Indifferent		
	Polyhalobous		
	Euhalobous		
	Mesohalobous		
	Oligohalobous		
	Euryhalinous		
	Eutrophic		
	Mesotrophic		
	Oligotrophic		
	Dystrophic		
	Saprophilic		
	Facultative		
	Saproxylicous		
	Saprophobic		
	Euxyphilous		
	Mesoxyphilous		
	Oligoxyphilous		
	Anoxyphilous		
Temp.	Euthermal		
	Mesothermal		
	Oligothermal		
	Stenothermal		
	Metathermal		
	Eurythermal		
Turbid.	Eulichotophilous		
	Mesolichotophilous		
	Polylichotophilous		
	Oligolichotophilous		
Current	Limnobiontic		
	Limnophilous		
	Indifferent		
	Rheophilous		
	Rheobiontic		
General Habitat	Marine		
	Estuary		
	Lake		
	Pond		
	River		
	Stream		
	Spring		
	Other		
Specific Habitat	Epibenthic		
	Embenthic		
	Enipelagic		
	Episabulic		
	Epilithic		
	Epixyloous		
	Epizoic		
	Epihytic		
	Attached		
	Unattached		
Emerg. Behavior	Winter		
	Spring		
	Summer		
	Autumn		
	Predator		
	Herbivore		
	Omnivore		
	Scavenger		
Geographical Distribution	Region I		
	Region II		
	Region III		
	Region IV		
	Region V		
	Region VI		
	Region VII		
	Region VIII		
	Region IX		
	Region X		

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

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15. SUPPLEMENTARY NOTES		
16. ABSTRACT Data on the environmental requirements and pollution tolerance of 230 taxa of freshwater chironomids were compiled from 33 references. This compilation was prepared to assist biologists in evaluating data from macroinvertebrate samples collected for the assessment of water quality. The following parameters were considered: developmental stage, pH, salinity, nutrients, degradable dissolved organics, oxygen, temperature, turbidity, current, general habitat, specific habitat, seasonal distribution.		
17. KEY WORDS AND DOCUMENT ANALYSIS		
a. DESCRIPTORS Indicator species Aquatic Biology Water Quality Environmental requirements Larvae Benthos Ecology	b. IDENTIFIERS/OPEN ENDED TERMS Chironomidae Pollution tolerance	c. COSATI Field/Group 6C
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